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לכבוד:

מתי כספי

מנהל פרויקטים

החברה לשירותי איכות הסביבה

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הנדון: דו"ח מסכם עבור סקר קרקע, גז קרקע (Phase II) וחקירת מי תהום בשדה דב – פוליגון מערבי

סימוכין: (1) עדכון תכנית לביצוע סקר קרקע וסקר גז קרקע (Phase II) בשדה דב-עדכון1 (אקולוג, 15/09/2019); (2) התייחסות מר' עמיר אשד, המשרד להגנת הסביבה בדוא"ל (אפריל, 2019), (3) השלמת סקר היסטורי לבחינת פוטנציאל זיהום קרקע ותכנית לסקר קרקע בשטח מתחם שדה דב (גיאופרוספקט, אפריל 2019); (4)סקר היסטורי להערכת זיהום קרקעות בשדה דב – המתחם הצבאי (אדמה, יולי 2016).

שלום רב,

חברת אקולוג הנדסה בע"מ (להלן: "אקולוג") מתכבדת להגיש בזאת דו"ח סיכום ממצאים עבור סקר קרקע וגז קרקע אקטיבי וניטור מי תהום בחלקו המערבי של שדה דב (להלן: "הפוליגון המערבי"). חקירת הקרקע ומי התהום בוצעה בהתאם לנהלי והנחיות המשרד להגנת הסביבה ולבקשת החברה לשירותי איכות הסביבה (להלן: "מזמין העבודה"). מסמך זה מפרט את שלבי העבודה שבוצעו בחלקו המערבי של האתר, שיטות לביצוע קידוחי קרקע ודיגומים, מיקומם, סיכום ממצאי האנליזות הכימיות והמלצות להמשך עבודה.

אנו נשמח לעמוד לרשותכם בכל שאלה שתעלה.

בברכה,

אקולוג הנדסה בע"מ

לירז לוי גרוס	יצחק שטרמר
מהנדסת סביבה	מהנדס סביבה

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1 תקציר מנהלים

סקר קרקע וגז קרקע אקטיבי וחקירת מי תהום בוצעו בחלקו המערבי (הפוליגון המערבי) של אתר שדה דב בין החודשים מרץ - יולי 2020. חקירות הקרקע ומי התהום בוצעו בהתאם לתכנית המאושרת (סימוכין 1) ולרישיונות הקדיחה שהתקבלו מטעם רשות המים. שטח שדה דב חולק לחמישה עשר (15) תאי שטח במסגרת תכנית הדיגום, והפוליגון המערבי מתייחס לתאי שטח מספר 11 ו-14. במסגרת החקירה בוצעו בפוליגון המערבי של שדה דב שבעים ואחד (71) קידוחי קרקע לעומקים משתנים של 3-10 מ', 16 קידוחי גז קרקע אקטיבי לעומק של 1.5 מ' ושני (2) קידוחי ניטור מי תהום עד לעומק של 5 מ' מתחת למפלס המים.

חקירת הקרקע וגז הקרקע בוצעה בין התאריכים 23-25/03/2020 ו- 07/04/2020, קידוחי חקירת מי תהום בוצעו בחודשים אפריל – מאי 2020. לאחר קבלת ממצאי החקירה הראשונית ובאישור מזמין העבודה והמשרד להגנת הסביבה, בוצע בחודש יוני 2020 (24/06/20) סבב ראשון של קידוחי קרקע לתיחום, אשר כלל ביצוע של 18 קידוחים. בהתאם לממצאים שהתקבלו מקידוחי התיחום, בוצע בחודש יולי 2020 (29/07/20) סבב שני של קידוחי קרקע לתיחום, אשר כלל ביצוע 5 קידוחים נוספים, עד להשלמת התיחום האופקי והאנכי של מוקדי הזיהום בפוליגון המערבי.

- ממצאי דיגום הקרקע מראים כי באנליזות ה-TPH ומתכות שבוצעו בכל 48 קידוחי הקרקע במסגרת החקירה הראשונית בתאי שטח 11 ו-14 לא נתגלו כלל ריכוזים חורגים מערכי המטרה, למעט קידוח 11.2, בו נתגלה ריכוז זירקוניום חורג של 18.7 מק"ג/ק"ג (ערך VSL הינו 6.26 מק"ג/ק"ג). ממצאי הסקר ההיסטורי (סימוכין 3,4) אינם מצביעים על שימושים היסטוריים בזרקוניום באזור זה, בנוסף ריכוז הזירקוניום שנמדד בקידוח הרקע, שבוצע מחוץ לשדה דב, הינו חורג מערכי המטרה גם כן (9.5 מ"ג/ק"ג) וכן נמדדו מספר ערכים חורגים בריכוזי הזירקוניום באזורים שונים בשדה דב, מחוץ לתחום הפוליגון המערבי, אשר מצביעים על כך שלא מדובר במוקד ספציפי. בהתאם לכך הערכתינו היא כי הזירקוניום בקידוח 11.2 איננו ממקור אנטרופוגני אלא ריכוז רקע טבעי בקרקע. ממצאי הסקר ההיסטורי, שאינו מצביע על שימוש בזרקוניום באתר, מחזקים הערכה זו.
- בדיגום גז הקרקע ניתן לראות כי בחמישה (5) קידוחי גז קרקע (קידוחים SG-14.6, SG-14.12, SG-14.21, SG-24 ו- SG-27) נתגלו ריכוזים חורגים של המזהם אקרוליין (Acrolein) בטווח ריכוזים של 3.2 – 8.3 מק"ג/מ"ק כאשר ערך המטרה הינו 2.78 מק"ג/מ"ק. בנוסף, בקידוח גז הקרקע SG-14.15 נתגלה ריכוז חורג של המזהם כלורופורם בריכוז של 26 מק"ג/מ"ק כאשר ערך המטרה הינו 16.28 מק"ג/מ"ק. לצורך תיחום הזיהום שנתגלה, בוצע קידוח קרקע בכל נקודה בה נתגלתה חריגה בריכוזי גז הקרקע - לא נתגלו כלל חריגות בריכוזי המזהמים עבור ששת (6) קידוחי הקרקע שבוצעו לצורך תיחום. לפיכך, אין צורך בהמשך פעולות חקירה במוקד זה ויש לבצע מיגון במבנים המתוכננים בשטח זה.
- בקידוח ניטור מי התהום שבוצע בתא 11 (GW-11) נתגלו ריכוזים גבוהים וקרובים לערכי תקן מי שתייה עבור אלומיניום (0.227 מ"ג/ל, כאשר התקן הינו 0.2 מ"ג/ל) ומנגן (0.299 מ"ג/ל, כאשר התקן הינו 0.2 מ"ג/ל) וריכוזים חורגים שלדיכלרולומתאן (Dichloromethane) (155 מק"ג/ל כאשר התקן הינו 5 מק"ג/ל). בקידוח ניטור מי התהום שבוצע בתא 14 (GW-14) נתגלה ריכוז חורג מערכי תקן מי שתייה עבור דיכלרולומתאן בלבד (128 מק"ג/ל כאשר התקן הינו 5 מק"ג/ל). על פי ממצאי הסקר ההיסטורי (סימוכין 3,4) קידוחים GW-11 ו- GW-14 ממוקמים באזור מגורי חיילים ובאזור מסלול התעופה החדש בהתאמה, בשני אזורים

אלה לא מדווח בסקר ההיסטורי על שימוש בדיכלורומתאן. אף על פי שאנליזות המים בקידוחים GW-11 ו- GW-14 לא הצביעו על נוכחות זיהום מסוג תרכובות דלקים, ממצאי השדה בעת התקנת הבארות העלו חשד לנוכחות זיהום מסוג זה (נתגלה ריח חזק) לכן הוחלט לבצע קידוחי קרקע סביב קידוחי ניטור מי התהום - בסך הכל בוצעו 17 קידוחי קרקע נוספים לתיחום הזיהום בקרקע בשני מוקדים פוטנציאלים:

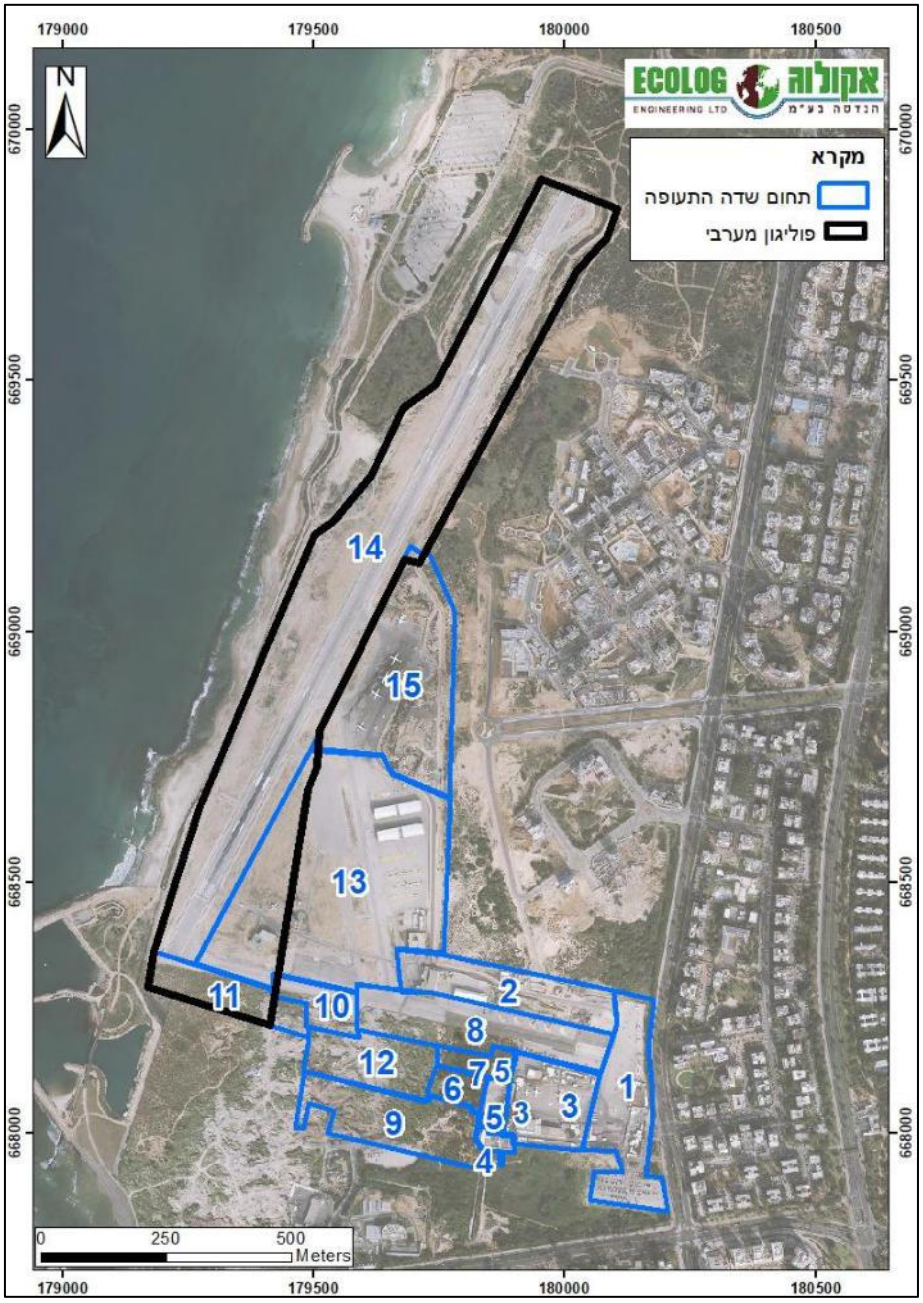
- שניים עשר (12) קידוחי קרקע לתיחום בוצעו סביב קידוח GW-11, מתוכם בשלושה קידוחי קרקע (GW-11.5, GW-11.8, GW-11.9) נתגלו ריכוזי TPH חורגים בטווח ריכוזים של 1,809 – 20,462 מ״ג/ק״ג כאשר ערך הסף הינו 350 מ״ג/ק״ג. ריכוזי ה-TPH החורגים נתגלו בעומק 0.5 מ׳ ובתחתית הקידוח בעומק 3 מ׳. לא ניתן היה להעמיק את קידוחי הקרקע בשל הגעה למים (בתאריך 23/07/2020 התקבלה בקשה מהמשרד להגנת הסביבה להעמיק את דיגום הקרקע אל תוך התווך הרווי, אולם הנחייה זו התקבלה לאחר השלמת החקירה בפוליגון המערבי ולכן היתה רלוונטית לחלקים הנוספים של שדה דב, כלומר פוליגון שחור ופוליגון מזרחי). בנוסף, בקידוח GW-11.8 נתגלה ריכוז חורג של Naphthalene בלבד באנליזת ה-VOC ו- SVOC (ריכוז של 0.76 מ״ג/ק״ג כאשר ערך המטרה VSL וערך TIER1 למגורים הינו 0.14 מ״ג/ק״ג). הושלם תיחום אופקי ואנכי של זיהום הקרקע במוקד זה.
- חמישה (5) קידוחי קרקע לתיחום סביב קידוח GW-14. בכל הקידוחים לא נתגלו ריכוזים חורגים בממצאי השדה ובאנליזות TPH, VOC ו- SVOC שבוצעו. ריכוז הדיכלורומתאן בדוגמאות הקרקע היה נמוך מסף הכימות.

לסיכום, על פי ממצאי החקירה **נדרש שיקום קרקע במוקד אחד בלבד בשטחו של הפוליגון המערבי**, בסביבת קידוח לניטור מי התהום GW-11. קידוחי התיחום שבוצעו, משלימים את התיחום האופקי של מוקד הזיהום. תיחום אנכי בוצע בעומק 3 מ׳ עם הגעה לשכבת מים. בנוסף, **אנו ממליצים לבצע מיגון למבנים המתוכננים להיבנות במוקדים בהם נתגלו חריגות בריכוזי גז הקרקע** (קידוחים SG-14.6, SG-14.12, SG-14.21, SG-24 ו- SG-27).

2 רקע

מתחם שדה דב (להלן: "האתר") הממוקם בצפון תל אביב, לחופו של הים התיכון, שימש כשדה תעופה משנות ה-30 של המאה הקודמת ושימש את צה"ל ("המתחם הצבאי") ואת רשות שדות התעופה ("המתחם האזרחי") עד לחודש יוני 2019. בשדה ישנם מתחמים שונים, תשתיות ומערכים תומכים למתן שירותי תעופה לנוסעים ולמטוסים. בשטח האתר מקודמת תכנית בנייה המתפרשת על פני כ-1,450 דונם, מתוכם כ-800 דונם של שדה התעופה דב, אשר כוללת מבני מגורים, מבני ציבור ושטחים פתוחים.

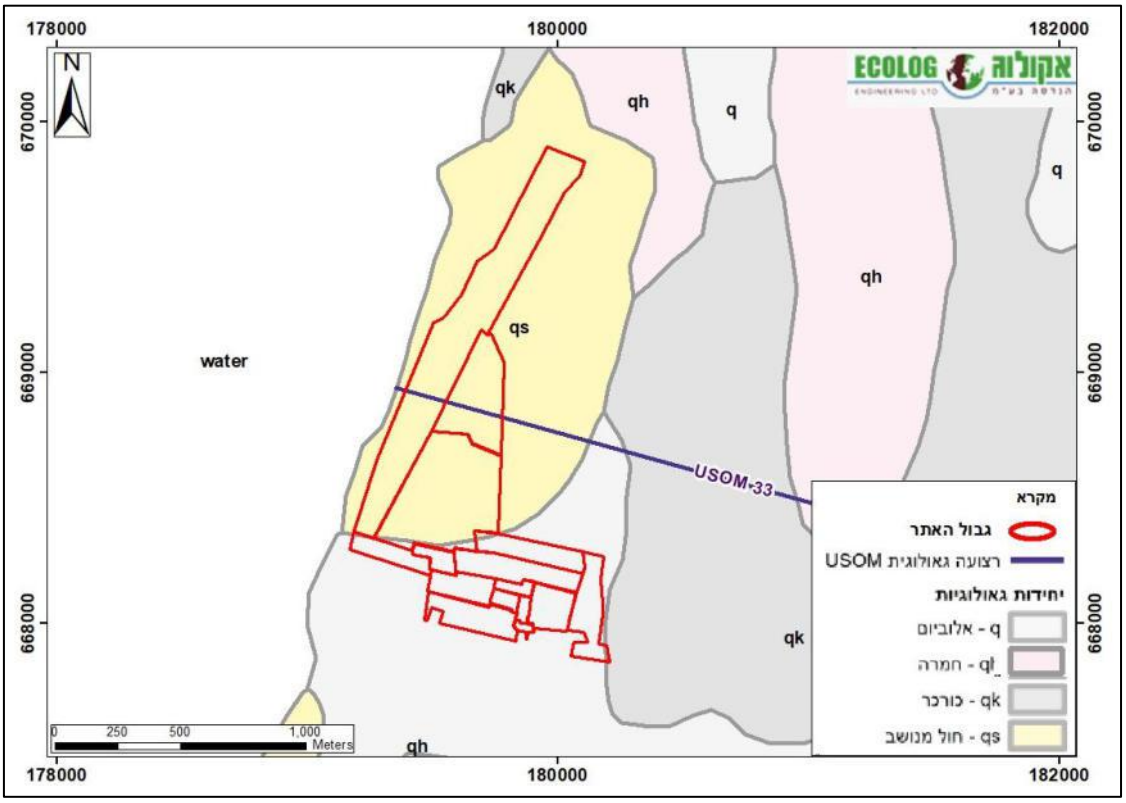
במסגרת תכנית חקירת הקרקע ומי התהום המאושרת (סימוכין 1), חולק האתר לחמישה עשר (15) תאים על פי אופי הפעילות בשטח. מסמך זה מתייחס לחקירת הקרקע, גז הקרקע ומי התהום אשר בוצעה בכשליש משטח האתר, בחלקו המערבי (להלן: "הפוליגון המערבי"), כמתואר באיור 1.



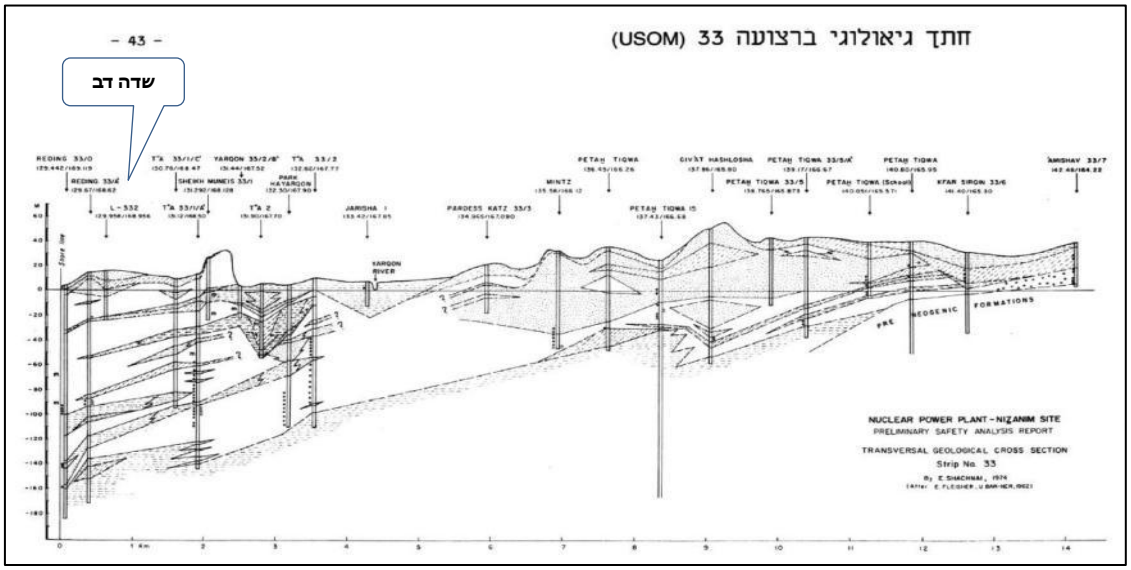
איור 1: מפת מיקום האתר וחלוקה לתאים

2.1 גיאולוגיה

אתר שדה דב ממוקם בסמוך לגבולו הדרומי של מישור חוף השרון, מצפון לנחל הירקון. אזור זה מחולק לשלוש רצועות אורך, כאשר המערבית ביותר, עליה ממוקם שדה דב, בנויה מרכסי כורכר לחלופין. על פי המפה הגיאולוגית (איור 2), חתך הקרקע העליון במרבית שטחו של הפוליגון המערבי הינו חול וכורכר ובחלקו הדרומי של האתר ישנם משקעים אלוביאלים. חתך מספר 33 באטלס החתכים הגיאולוגים עובר במרכז שטחו של שדה דב (איור 3) ומראה כי חתך הקרקע באזור בנוי מחילופין של אבני חול גיריות, חול וחמרה חולית. בחלקו הדרומי של אתר שדה דב, חתך הקרקע מתאפיין בחרסית וחרסית שמנה (סימוכין 3).



איור 2: מפה גיאולוגית

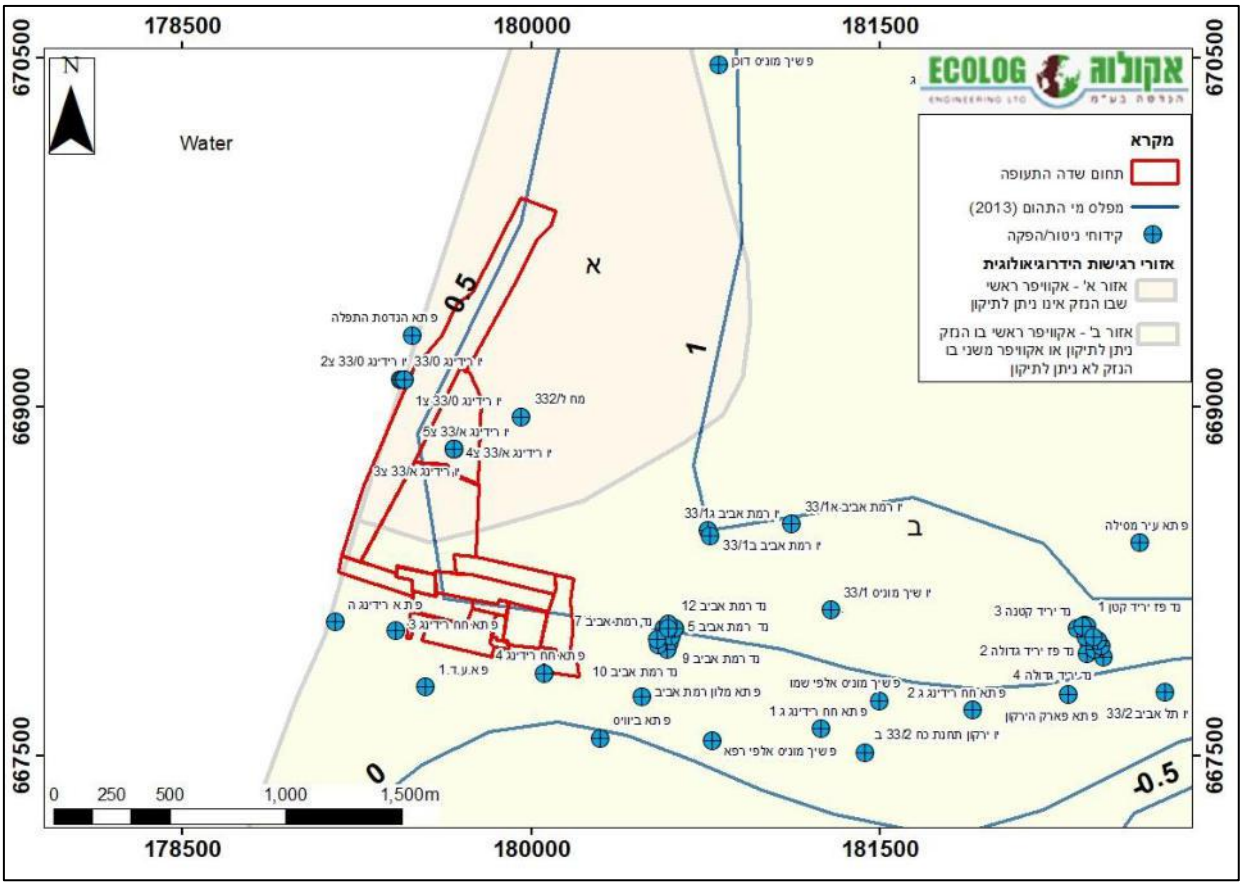


איור 3: חתך גיאולוגי מספר 33 (USOM) אשר עובר בשטח שדה דב

2.2 הידרוגיאולוגיה

אתר שדה דב ממוקם מעל אקוויפר החוף, במרחק של מטרים בודדים עד כ-1.5 ק"מ מחוף הים התיכון. רום השטח באתר נע בין 4-10 מ' ומפלס מי התהום, על פי מפת המפלסים של רשות המים, הינו 0.5 מ', כלומר מפלס מי התהום באזור זה מצוי בעומק מטרים בודדים מתחת לפני הקרקע (איור 4). כיוון זרימת מי התהום הינו דרום – דרום מערב. בשטח שדה דב ובסביבתו קיימים מספר קידוחי מים, מרביתם קידוחי תצפית.

על פי תמ"א 34, שטח האתר ממוקם באזור בעל רגישות הידרולוגית גבוהה. על פי "מפת אזורי סכנה למקורות מים כתוצאה מזיהום על ידי דלקים" של רשות המים, האתר ממוקם באזור רגישות א' – אקוויפר ראשי בו הנזק אינו ניתן לתיקון (איור 4).



<u>איור 4:</u> מפת רגישות הידרולוגית, מפלס מי תהום וקידוחי מים

3 ביצוע העבודה

חקירת הקרקע וגז הקרקע בוצעה בין התאריכים 23-25/06/2020 ו- 07/04/2020, קידוחי חקירת מי תהום בוצעו בחודשים אפריל – מאי 2020. לאחר קבלת ממצאי החקירה הראשונית ובאישור מזמין העבודה והמשרד להגנת הסביבה, בוצע בחודש יוני 2020 סבב ראשון של קידוחי קרקע לתיחום, אשר כלל ביצוע של 18 קידוחים. בהתאם לממצאים שהתקבלו מקידוחי התיחום, בוצע בחודש יולי 2020 סבב שני של קידוחי קרקע לתיחום, אשר כלל ביצוע 3 קידוחים נוספים, עד להשלמת התיחום האופקי והאנכי של מוקדי הזיהום בפוליגון המערבי.
פירוט קידוחי הקרקע וגז הקרקע וקידוחים לניטור מי תהום אשר בוצעו בשטח הפוליגון המערבי מוצגים בטבלאות 1-3 וכן באיורים 5-7 בהמשכו של סעיף זה.

3.1 קידוחי קרקע

48 קידוחי קרקע נעשו באמצעות דחיקה ישירה (Direct Push) על ידי מכונת Geoprobe בשטח הפוליגון המערבי, בתאים מספר 11 ו- 14, לעומק של 3 מ׳ מתחת לפני השטח, מתוכם 2 קידוחי קרקע (קידוח אחד בכל תא שטח) הועמקו עד לעומק מפלס מי התהום. קידוחי הקרקע בוצעו במוקדי הזיהום הפוטנציאליים באתר ובהתאם לתכנית הדיגום המאושרת (סימוכין 1). בנוסף, בהתאם לממצאי החקירה הראשונית, בוצעו 21 קידוחי קרקע נוספים, לתיחום הזיהום כפי שנתגלה בשני מוקדים בשטח הפוליגון המערבי.
הקדיחה בוצעה ללא שימוש בנוזלי קדיחה ו/או חומרי סיכה. דיגום הקרקע נעשה בהתאם להנחיות המשרד להגנת הסביבה, ע״י דוגמים מוסמכים של חב׳ KTE. דגימות קרקע נלקחו מהעומקים הנדרשים תוך דיגום בלתי מופר, מניעת זיהום צולב, התאמה לסוג הקרקע/תשתית, יצירת כמות פסולת קטנה ככל הניתן וטיפול מינימלי בדגימה טרם הכנסתה לכלים המתאימים. קביעת דגימות לשליחה לאנליזה כימית במעבדה מוסמכת בוצעה בהתאם לקריאות ה-PID שהתקבלו בשטח, כנדרש על פי הנחיות המשרד להגנת הסביבה (מעבדת ALS CR מעבדה ראשית, ומעבדת ALS UK, מעבדה משנית).

3.2 קידוחי גז קרקע אקטיבי

16 קידוחי גז הקרקע נעשו בשטח הפוליגון המערבי, באמצעות דחיקה ישירה (Direct Push) על ידי מכונת Geoprobe, לעומק של כ-1.5 מ׳ מתחת לפני הקרקע. ביצוע הקידוחים ודיגום גז הקרקע בשיטה האקטיבית נעשו על ידי חברת KTE, בעלת ההסמכה הדרושה של המשרד להגנת הסביבה. אנליזות כימית של מרכיבי הגז נעשו במעבדת ALS Californiaהמוסמכת, על פי שיטת EPA TO-15 ברגישות המיועדת למגורים של 1ppbv, בהתאם להנחיות המשרד להגנת הסביבה. בנוסף, הדיגום כלל אבטחת איכות בהתאם להנחיות המשרד להגנת הסביבה, הכוללים בין היתר: בלאנק שיטה, בלאנק ציוד, בלאנק מסע, חזרות, פיצול דגימות וטופס שרשרת משמורת.

טבלה 1: פירוט קידוחי קרקע וגז קרקע אקטיבי בשטח הפוליגון המערבי

מוקד	תיאור מוקד	קידוח קרקע	עומק מתוכנן לקידוח קרקע (מ')	שם קידוח גז קרקע	עומק דיגום גז קרקע (מ')	נ.צ X	נ.צ Y	הערות
תא 11	מתחם צבאי	**11.1**	3	SG-11.1	1.5	179225	668303	
		11.2	3			179241	668300	
		11.3	3			179241	668288	
		11.4	3			179222	668289	
		11.5	3	SG-11.5	1.5	179235	668277	
		11.6	3			179245	668272	
		11.7	3			179260	668276	
		11.8	3			179257	668294	
		11.9	10	SG-11.9	1.5	179272	668292	קידוח קרקע עד לעומק מי התהום
		11.10	3			179288	668289	
		11.11	3	SG-11.11	1.5	179307	668270	
		11.12	3			179284	668264	
		11.13	3	SG-11.13	1.5	179270	668267	
		11.14	3			179257	668315	
		11.15	3	SG-11.15	1.5	179299	668303	
		11.16	3			179308	668252	
		11.21	3	SG-11.21	1.5	179245	668327	
		11.22	3			179319	668309	
		11.23	3			179312	668292	
		11.24	3			179277	668315	
		K-GW11-1	5			179291	668259	סבב תיחום ראשון - קידוחי קרקע בסמיכות לקידוח ניטור מי תהום, בו התגלו ממצאי שדה מחשידים.
		K-GW11-2	5			179291	668255	
		K-GW11-3	5			179295	668256	
		K-GW11-4	5			179287	668259	
		K-GW11-5	5			179293	668262	
		K-GW11-6	5			179287	668263	
		K-GW11-7	5			179297	668261	
		K-GW11-8	5			179291	668267	סבב תיחום שני - תיחום זיהום מסוג תרכובות דלקים, שנתגלה בקידוח K-GW11-5.
		K-GW11-9	5			179294	668266	
		K-GW11-10	5			179297	668265	
		K-GW11-11	5			179292	668270	
		K-GW11-12	5			179288	668269	
תא 14	אתר פסולת	**14.1**	3			179502	669186	
		14.2	3			179531	669171	
		14.3	3	SG-14.3	1.5	179552	669150	
		14.4	3			179532	669125	
		14.5	3			179510	669089	
		14.6	3	SG-14.6	1.5	179468	669111	
		14.7	10			179503	669136	קידוח קרקע עד לעומק מי התהום
		14.8	3			179480	669146	
	קו דלק תת-קרקעי בין דלק 1 לדלק 2	**14.9**	3	SG-14.9	1.5	179661	669402	
		14.10	3			179663	669358	
		14.11	3			179641	669313	
		14.12	3	SG-14.12	1.5	179617	669269	
		14.13	3			179594	669225	
		14.14	3			179571	669181	
		14.15	3	SG-14.15	1.5	179500	669049	

מוקד	תיאור מוקד	קידוח קרקע	עומק מתוכנן לקידוח קרקע (מ')	שם קידוח גז קרקע	עומק דיגום גז קרקע (מ')	נ.צ		הערות
						X	Y	
		14.16	3			179475	669005	
		14.17	3			179451	668961	
		14.18	3	SG-14.18	1.5	179428	668917	
		14.19	3			179427	668870	
		14.20	3			179404	668826	
		14.21	3	SG-14.21	1.5	179380	668782	
		14.22	3			179357	668737	
		14.23	3			179333	668693	
		14.24	3	SG-14.24	1.5	179309	668649	
		14.25	3			179286	668605	
		14.26	3			179262	668561	
		14.27	3	SG-14.27	1.5	179239	668517	
		14.28	3			179219	668477	
14		**K-GW14-1**	5			179484	669139	סבב תיחום ראשון - קידוחי קרקע בסמיכות לקידוח ניטור מי תהום, בו התגלו ממצאי שדה מחשידים.
		K-GW14-2	5			179485	669142	
		K-GW14-3	5			179482	669137	
		K-GW14-4	5			179481	669140	
		K-GW14-5	5			179486	669138	
		K-14.27-new	3			179239	668517	סבב תיחום ראשון - קידוחי קרקע מבוצעים במיקום בו נתגלו חריגות בריכוזי גז הקרקע.
		K-14.24-new	3			179309	668649	
		K-14.21-new	3			179380	668782	
		K-14.12-new	3			179617	669269	
		K-14.15-new	3			179500	669049	
		K-14.6-new	3			179468	669111	

3.2.1 אנליזות מעבדה

טבלה 2: פירוט השיטות האנליטיות לביצוע אנליזה כימית לדגימות קרקע

פרמטר	שיטה הכנה	שיטה אנליטית
TPH-ORO, DRO	EPA 5021	EPA 8015
מתכות (מיצוי חומצי)	3051A/3050B	EPA 6010 D, 6020A
VOC's	EPA 5021	EPA 8260B
SVOC (כולל PAH)	-	EPA 8270C

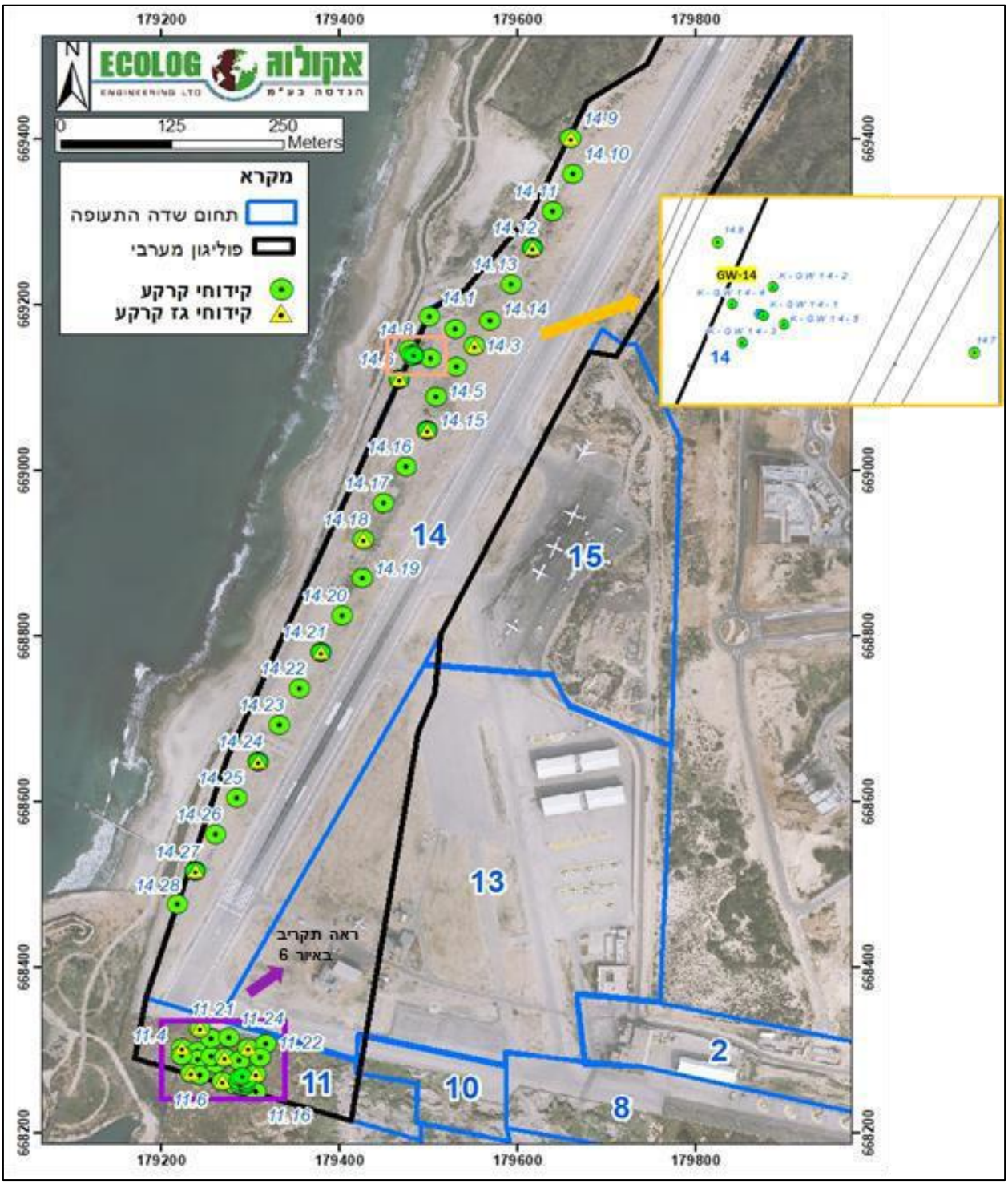
כל האנליזות בוצעו במעבדות ALS המוסמכות מטעם הרשות הלאומית להסמכת מעבדות.

3.3 ניטור מי תהום

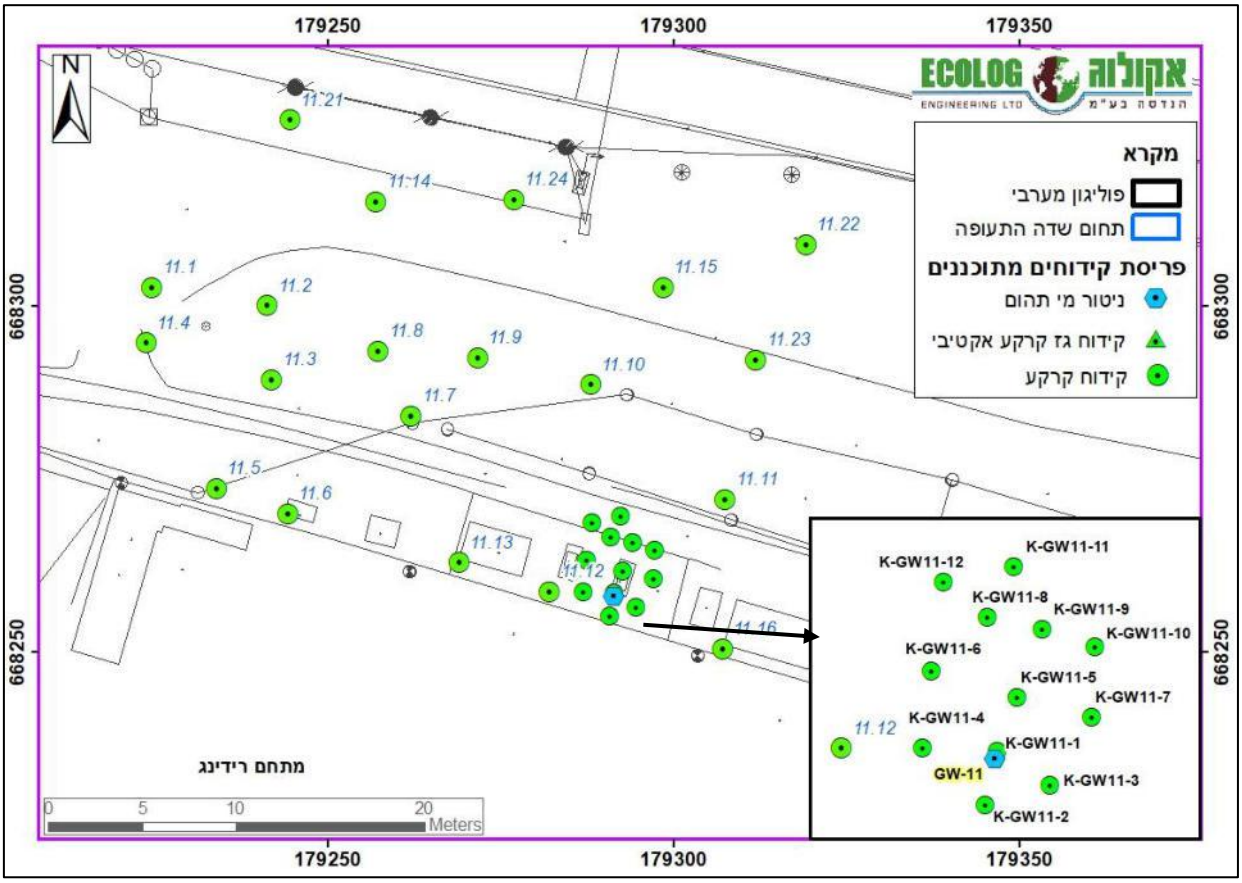
שני (2) קידוחי ניטור למי תהום בוצעו בשטחו של הפוליגון המערבי בחודשים אפריל – מאי 2020. הקידוחים בוצעו לעומק של 5 מ' מתחת למפלס מי התהום ודיגום המים בוצע בעומק של 1-2 מ' מתחת למפלס המים. התקנת הבארות ודיגום מי תהום בוצע באמצעות מעבדת דיגום מוסמכת KTE, בהתאם לתכנית הדיגום המאושרת (סימוכין 1) ולהנחיות רשות המים. פריסת קידוחי ניטור מי תהום בשטח הפוליגון המערבי מוצגת בטבלה 3 ובאיור 7 להלן.

טבלה 3: פירוט קידוחי ניטור מי תהום בשטח הפוליגון המערבי

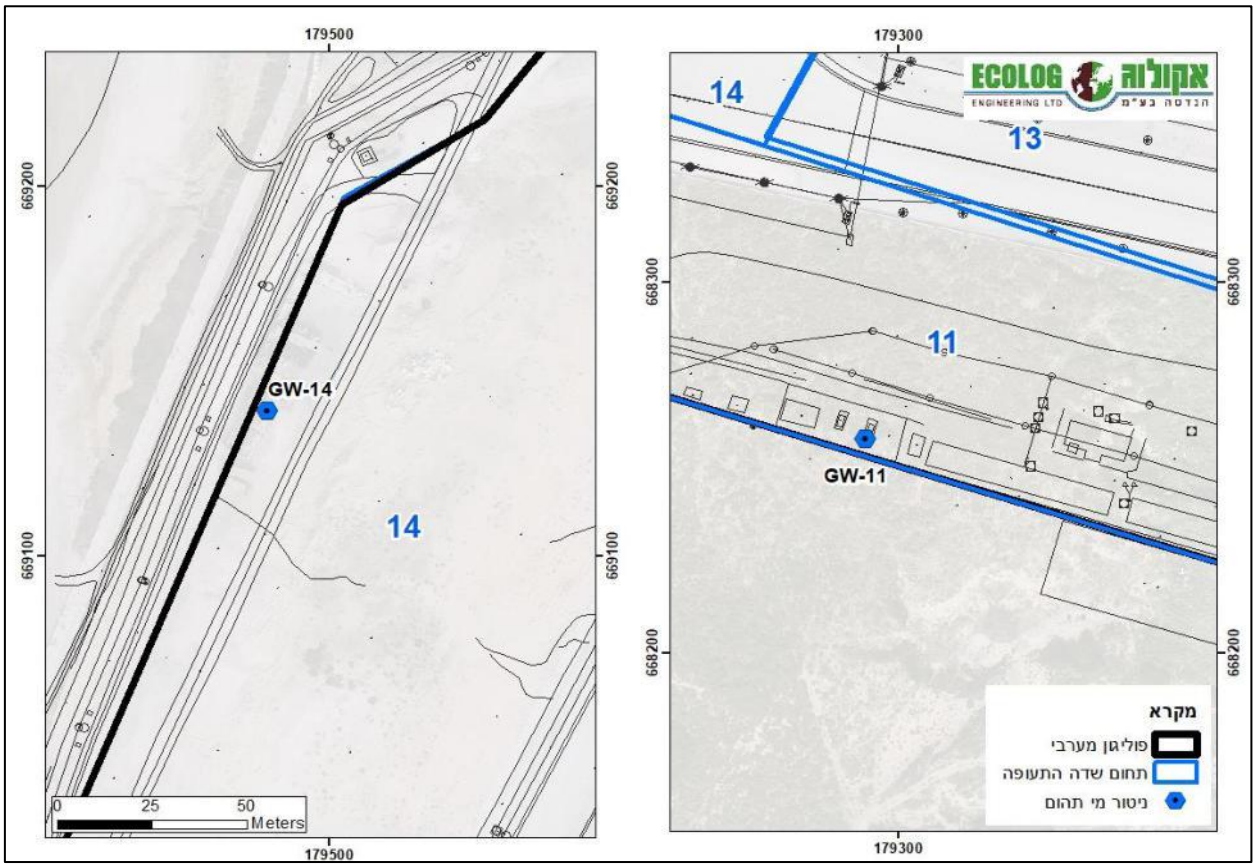
מוקד	שם קידוח מי תהום	שם קידוח קרקע	עומק הקידוח[מ']	עומק דיגום מים [מ']	נ.צ	
					Y	X
11	**GW-11**	11.14	5 מ' מתחת למפלס מי התהום	1-2 מ' מתחת למפלס מי התהום	668315	179257
14	**GW-14**	14.15			669049	179500



איור 5: מפת מיקום קידוחי הקרקע וגז הקרקע, שבוצעו בשטח הפוליגון המערבי



איור 6: מפת מיקום קידוחי הקרקע וגז הקרקע, שבוצעו בשטח הפוליגון המערבי – תקריב לתא 11.



איור 7: מפת מיקום קידוחי ניטור מי תהום, שבוצעו בשטח הפוליגון המערבי.

4 ממצאי הסקר

4.1 ממצאי חקירת הקרקע

בטבלאות להלן מסוכמים ממצאי השדה ותוצאות המעבדה עבור TPH, מתכות, VOC ו- SVOC בדגימות שנלקחו מקידוחי הקרקע וכן בקרות האיכות שבוצעו. חריגות מערכי המטרה VSL[1] מסומנות באדום. דוחות מעבדה מלאים מצורפים בנספח 1, טפסי שדה ומשמורת מצורפים בנספח 2.

טבלה 4: סיכום ממצאי שדה עבור קידוחי קרקע בתא 11, בפוליגון המערבי

תא שטח	שם הקידוח	עומק	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
11	11.1	0.5	24.3.20	חול חרסיתי ומילוי	לא	כן	0.1	
11	11.1	1	24.3.20	חול חרסיתי	לא	כן	2.1	
11	11.1	2	24.3.20	חול חרסיתי	לא	כן	3	
11	11.1	3	24.3.20	חרסית חולית	לא	כן	3.1	
11	11.2	0.5	24.3.20	חול ומילוי	לא	כן	2.9	
11	11.2	1	24.3.20	חול חרסיתי	לא	כן	3.3	
11	11.2	2	24.3.20	חרסית שמנה שחורה	לא	כן	2.7	
11	11.2	3	24.3.20	חרסית שמנה שחורה	לא	כן	1.3	
11	11.3	0.5	24.3.20	חול חרסיתי ומילוי	לא	כן	1.6	
11	11.3	1	24.3.20	חרסית שמנה	לא	כן	2.5	
11	11.3	2	24.3.20	חרסית חולית	לא	כן	2	
11	11.3	3	24.3.20	חול	לא	כן	2.1	
11	11.4	0.5	24.3.20	חול חרסיתי ומילוי	לא	כן	0.7	
11	11.4	1	24.3.20	חול חרסיתי	לא	כן	2.4	
11	11.4	2	24.3.20	חול חרסיתי	לא	כן	1.5	
11	11.4	3	24.3.20	חרסית שמנה שחורה	לא	כן	1.9	
11	11.5	0.5	25.3.20	חול חרסיתי	לא	כן	0.7	
11	11.5	1	25.3.20	חול חרסיתי	לא	כן	0.6	
11	11.5	2	25.3.20	חול חרסיתי	לא	כן	0.9	
11	11.5	3	25.3.20	חרסית שמנה שחורה	לא	כן	1.2	
11	11.6	0.5	7.4.20	חול חרסיתי	אין	יש	19.4	
11	11.6	1	7.4.20	חול חרסיתי	אין	יש	21.2	
11	11.6	2	7.4.20	חול חרסיתי	אין	יש	22.4	
11	11.6	3	7.4.20	חול חרסיתי	אין	יש	11.5	
11	11.7	0.5	24.3.20	חול חרסיתי ומילוי	לא	כן	0.7	
11	11.7	1	24.3.20	חול חרסיתי	לא	כן	0.1	
11	11.7	2	24.3.20		לא	כן	3.3	
11	11.7	3	24.3.20		לא	כן	3.8	
11	11.8	0.5	24.3.20	חול חרסיתי ומילוי	לא	כן	0.2	
11	11.8	1	24.3.20	חול חרסיתי	לא	כן	2.2	
11	11.8	2	24.3.20	חול חרסיתי	לא	כן	2.1	
11	11.8	3	24.3.20	חול חרסיתי	לא	כן	2.6	

תא שטח	שם הקידוח	עומק	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
11	11.9	0.5	25.3.20	חול חרסיתי	לא	כן	0.8	
11	11.9	1	25.3.20	חול חרסיתי	לא	כן	0.6	
11	11.9	2	25.3.20	חול חרסיתי	לא	כן	0.4	
11	11.9	3	25.3.20	חרסית שמנה	לא	כן	0.5	
11	11.9	4	25.3.20	חרסית שמנה	לא	כן	0.5	
11	11.9	4.5	25.3.20	חרסית אפורה	לא	כן	0.6	קידוח לעומק מי תהום
11	11.10	0.5	25.3.20	חרסית חולית ומילוי	לא	כן	0.6	
11	11.10	1	25.3.20	חול חרסיתי ומילוי	לא	כן	0.4	
11	11.10	2	25.3.20	חול חרסיתי	לא	כן	0.3	
11	11.10	3	25.3.20	חרסית חולית	לא	כן	0.4	
11	11.11	0.5	25.3.20	חול חרסיתי	לא	כן	0.5	
11	11.11	1	25.3.20	חול חרסיתי	לא	כן	0.7	
11	11.11	2	25.3.20	חרסית חולית	לא	כן	0.9	
11	11.11	3	25.3.20	חרסית חולית	לא	כן	0.8	
11	11.12	0.5	25.3.20	חול חרסיתי	לא	כן	0.4	
11	11.12	1	25.3.20	חרסית חולית	לא	כן	0.6	
11	11.12	2	25.3.20	חרסית חולית	לא	כן	1.4	
11	11.12	3	25.3.20	חול חרסיתי	לא	כן	1.6	
11	11.13	0.5	25.3.20	חמרה	לא	כן	0.2	
11	11.13	1	25.3.20	חרסית חולית	לא	כן	0.3	
11	11.13	2	25.3.20	חול חרסיתי	לא	כן	0.3	
11	11.13	3	25.3.20	חול חרסיתי	לא	כן	0.3	
11	11.14	0.5	25.3.20	חול	לא	כן	4.3	
11	11.14	1	25.3.20	חול	לא	כן	4.5	
11	11.14	2	25.3.20	חול	לא	כן	3.4	
11	11.14	3	25.3.20	חול	לא	כן	0.7	
11	11.15	0.5	25.3.20	חול חרסיתי	לא	כן	0.5	
11	11.15	1	25.3.20	חול חרסיתי	לא	כן	0.6	
11	11.15	2	25.3.20	חול חרסיתי	לא	כן	0.9	
11	11.15	3	25.3.20	חול חרסיתי	לא	כן	1.2	
11	11.16	0.5	25.3.20	חמרה	לא	כן	0.6	
11	11.16	1	25.3.20	חול חרסיתי	לא	כן	0.5	
11	11.16	2	25.3.20	חרסית חולית	לא	כן	לחות	
11	11.16	3	25.3.20	חרסית חולית	לא	כן	לחות	
11	11.17	0.5	25.3.20	חול ומילוי	לא	כן	0.4	
11	11.17	1	25.3.20	חול ומילוי	לא	כן	0.5	
11	11.17	2	25.3.20	חול	לא	כן	0.8	
11	11.17	3	25.3.20	חול חרסיתי	לא	כן	0.4	
11	11.18	0.5	25.3.20	חמרה	לא	כן	0.3	
11	11.18	1	25.3.20	חול חרסיתי	לא	כן	0.6	
11	11.18	2	25.3.20	חול חרסיתי	לא	כן	0.9	
11	11.18	3	25.3.20	חול	לא	כן	1.2	
11	11.19	0.5	25.3.20	חול	לא	כן	2.1	

תא שטח	שם הקידוח	עומק	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
11	11.19	1	25.3.20	חול	לא	כן	0.6	
11	11.19	2	25.3.20	חול חרסיתי	לא	כן	0.3	
11	11.19	3	25.3.20	חול חרסיתי	לא	כן	0.1	
11	11.20	0.5	25.3.20	חרסית חולית	לא	כן	5.9	
11	11.20	1	25.3.20	חרסית חולית	לא	כן	5.2	
11	11.20	2	25.3.20	חרסית חולית	לא	כן	0.6	
11	11.20	3	25.3.20	חרסית חולית	לא	כן	0.2	
11	11.21	0.5	25.3.20	חול חרסיתי	לא	כן	1.3	
11	11.21	1	25.3.20	חול חרסיתי	לא	כן	3.1	
11	11.21	2	25.3.20	חול חרסיתי	לא	כן	4.5	
11	11.21	3	25.3.20	חרסית שמנה שחורה	לא	כן	3	
11	11.22	0.5	25.3.20	חול	לא	כן	0.5	
11	11.22	1	25.3.20	חול	לא	כן	0.7	
11	11.22	2	25.3.20	חרסית שמנה וחול	לא	כן	0.6	
11	11.22	3	25.3.20	חרסית חולית	לא	כן	0.4	
11	11.23	0.5	25.3.20	חול חרסיתי ומילוי	לא	כן	0.8	
11	11.23	1	25.3.20	חרסית חולית	לא	כן	0.7	
11	11.23	2	25.3.20	חמרה	לא	כן	0.4	
11	11.23	3	25.3.20	חרסית חולית	לא	כן	0.7	
11	11.24	0.5	25.3.20	חול חרסיתי	לא	כן	0.4	
11	11.24	1	25.3.20	חול חרסיתי	לא	כן	0.8	
11	11.24	2	25.3.20	חול חרסיתי	לא	כן	1	
11	11.24	3	25.3.20	חול חרסיתי	לא	כן	0.1	
11	GW-11.1	0.5	24.6.20	חול חרסיתי	אין	יש	0.4	
11	GW-11.1	1	24.6.20	חול	אין	יש	1.2	
11	GW-11.1	2	24.6.20	חול חרסיתי	יש	יש	2.3	ריח חריג
11	GW-11.1	3	24.6.20	חרסית שמנה אפורה	יש	יש	3.4	ריח חריג (דלק)
11	GW-11.2	0.5	24.6.20	חול חרסיתי	אין	יש	0.2	
11	GW-11.2	1	24.6.20	חול חרסיתי	אין	יש	0.1	
11	GW-11.2	2	24.6.20	חומר מילוי חולי	אין	יש	0.3	
11	GW-11.2	3	24.6.20	חרסית חולית בוצית	אין	יש	1.2	
11	GW-11.3	0.5	24.6.20	חול חרסיתי ומעט אבנים	אין	יש	0.1	
11	GW-11.3	1	24.6.20	חול חרסיתי ומעט אבנים	אין	יש	0.6	
11	GW-11.3	2	24.6.20	חומר מילוי	אין	אין	0.7	
11	GW-11.3	3	24.6.20	חול חרסיתי רטוב	אין	יש	1.2	
11	GW-11.4	0.5	24.6.20	חול ומעט אבנים	אין	יש	0.1	
11	GW-11.4	1	24.6.20	חול	אין	יש	0.3	
11	GW-11.4	2	24.6.20	חול ומעט אבנים	אין	אין	0.5	
11	GW-11.4	3	24.6.20	חול חרסיתי	אין	יש	0.4	
11	GW-11.4	4	24.6.20	חרסית שמנה בוצית	אין	יש	0.6	
11	GW-11.5	0.5	24.6.20	חול חרסיתי	אין	יש	0.2	
11	GW-11.5	1	24.6.20	חול חרסיתי	אין	יש	0.3	

תא שטח	שם הקידוח	עומק	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
11	GW-11.5	2	24.6.20	חול חרסיתי רטוב	יש	יש	0.2	
11	GW-11.5	3	24.6.20	חרסית שמנה מעט חולית	יש	יש	0.5	
11	GW-11.5	2.7	24.6.20				0.5	
11	GW-11.6	0.5	24.6.20	חול חרסיתי	אין	יש	0.6	
11	GW-11.6	1	24.6.20	חול	אין	יש	0.2	
11	GW-11.6	2	24.6.20	חומר מילוי חולי	אין	אין	0.2	
11	GW-11.6	3	24.6.20	חול חרסיתי	אין	יש	4	
11	GW-11.7	0.5	24.6.20	חול	אין	יש	0.4	
11	GW-11.7	1	24.6.20	חול	אין	יש	0.2	
11	GW-11.7	2	24.6.20	חול חרסיתי	אין	יש	0.3	
11	GW-11.7	3	24.6.20	חול	אין	יש	0.6	
11	GW-11.8	0.5	29.7.20	חול ואבני מילוי	אין	יש	0.6	
11	GW-11.8	1	29.7.20	חול	אין	יש	0.4	
11	GW-11.8	2	29.7.20	חול חרסיתי	אין	יש	3.2	
11	GW-11.8	3	29.7.20	חול חרסיתי אפור	יש	יש	39.6	ריח חריג
11	GW-11.9	0.5	29.7.20	חול חרסיתי	אין	יש	1	
11	GW-11.9	1	29.7.20	חול חרסיתי	אין	יש	0.9	
11	GW-11.9	2	29.7.20	חול חרסיתי	אין	יש	2.2	
11	GW-11.9	3	29.7.20	חול חרסיתי אפור	יש	יש	16.3	ריח חריג
11	GW-11.10	0.5	29.7.20	חול חרסיתי	אין	יש	0.4	
11	GW-11.10	1	29.7.20	חול חרסיתי	אין	יש	0.5	
11	GW-11.10	2	29.7.20	חול חרסיתי	אין	יש	1.4	
11	GW-11.10	3	29.7.20	חול חרסיתי	אין	יש	3.8	
11	GW-11.11	0.5	29.7.20	חול חרסיתי	אין	יש	6.6	
11	GW-11.11	1	29.7.20	חול חרסיתי	אין	יש	6.8	
11	GW-11.11	2	29.7.20	חול חרסיתי	אין	יש	6.8	
11	GW-11.11	3	29.7.20	חרסית שמנה אפורה	יש	יש	9	ריח חריג
11	GW-11.12	0.5	29.7.20	חול חרסיתי ומעט אבני מילוי	אין	יש	2	
11	GW-11.12	1	29.7.20	חול חרסיתי וחרסית חולית	אין	יש	4	
11	GW-11.12	2	29.7.20	חול חרסיתי	אין	יש	5	
11	GW-11.12	3	29.7.20	חרסית שמנה אפורה	אין	יש	4.8	

<u>טבלה 5:</u> סיכום ממצאי שדה עבור קידוחי קרקע בתא 14, בפוליגון המערבי

תא שטח	שם הקידוח	עומק [מ']	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
14	14.1	0.5	24.3.20	חול	לא	כן	2.9	
14	14.1	1	24.3.20	חול	לא	כן	1.5	
14	14.1	2	24.3.20	חול	לא	כן	2.5	
14	14.1	3	24.3.20	חול	לא	כן	2.9	
14	14.2	0.5	24.3.20	חול	לא	כן	0.9	
14	14.2	1	24.3.20	חול	לא	כן	2.9	

תא שטח	שם הקידוח	עומק [מ']	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
14	14.2	2	24.3.20	חול	לא	כן	1.9	
14	14.2	3	24.3.20	חול	לא	כן	2.2	
14	14.3	0.5	24.3.20	חול ומילוי	לא	כן	2.1	
14	14.3	1	24.3.20	חול	לא	כן	1.5	
14	14.3	2	24.3.20	חול	לא	כן	2	
14	14.3	3	24.3.20	חול	לא	כן	2.3	
14	14.4	0.5	24.3.20	חרסית חולית ומילוי	לא	כן	2.1	
14	14.4	1	24.3.20	חול	לא	כן	2.1	
14	14.4	2	24.3.20	חול	לא	כן	1.7	
14	14.4	3	24.3.20	חול	לא	כן	2.4	
14	14.5	0.5	24.3.20	חול	לא	כן	0.9	
14	14.5	1	24.3.20	חול	לא	כן	1.9	
14	14.5	2	24.3.20	חול	לא	כן	1.6	
14	14.5	3	24.3.20	חול	לא	כן	1.9	
14	14.6	0.5	24.3.20	חול ומילוי	לא	כן	0.2	
14	14.6	1	24.3.20	חול	לא	כן	0.1	
14	14.6	2	24.3.20	חול	לא	כן	0.2	
14	14.6	3	24.3.20	חול	לא	כן	0.1	
14	14.7	0.5	24.3.20	חול ומילוי	לא	כן	0.4	
14	14.7	1	24.3.20	חול	לא	כן	0.3	
14	14.7	2	24.3.20	חול	לא	כן	0.7	
14	14.7	3	24.3.20	חול	לא	כן	1.1	
14	14.7	4	24.3.20	חול חרסיתי אפור	לא	כן	2.8	
14	14.7	5	24.3.20	חול חרסיתי אפור	לא	כן	3.8	
14	14.7	6	24.3.20	חרסית אפורה	לא	כן	4.8	
14	14.7	7	24.3.20	חרסית אפורה	לא	כן	1.8	
14	14.7	7.5	24.3.20	חרסית חולית אפורה	לא	כן	3.8	
14	14.7	8	24.3.20	חרסית שמנה	לא	כן	0.1	
14	14.7	9	24.3.20	חרסית שמנה	לא	כן	0.1	
14	14.7	10	24.3.20	חרסית שמנה אפורה	לא	כן	0.1	
14	14.8	0.5	24.3.20	חול	לא	כן	0.2	
14	14.8	1	24.3.20	חול	לא	כן	0.4	
14	14.8	2	24.3.20	חול	לא	כן	0.3	
14	14.8	3	24.3.20	חול	לא	כן	0.7	
14	14.9	0.5	24.3.20		לא	כן	2.1	
14	14.9	1	24.3.20	חול חרסיתי	לא	כן	2.8	
14	14.9	2	24.3.20	חול חרסיתי	לא	כן	2.8	
14	14.9	3	24.3.20	חול חרסיתי	לא	כן	2.7	
14	14.10	0.5	24.3.20	חול	לא	כן	4.4	
14	14.10	1	24.3.20	חול	לא	כן	2.2	
14	14.10	2	24.3.20	חול	לא	כן	4.2	
14	14.10	3	24.3.20	חול	לא	כן	4.1	
14	14.11	0.5	24.3.20	חול	לא	כן	4.7	
14	14.11	1	24.3.20	חול	לא	כן	3.3	

תא שטח	שם הקידוח	עומק [מ']	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
14	14.11	2	24.3.20	חול	לא	כן	4.7	
14	14.11	3	24.3.20	חול	לא	כן	2.7	
14	14.12	0.5	24.3.20	חול ומילוי	לא	כן	5	
14	14.12	1	24.3.20	חול	לא	כן	5.1	
14	14.12	2	24.3.20	חול	לא	כן	5.5	
14	14.12	3	24.3.20	חול	לא	כן	5.4	
14	14.13	0.5	24.3.20	חול	לא	כן	3.4	
14	14.13	1	24.3.20	חול	לא	כן	3.4	
14	14.13	2	24.3.20	חול	לא	כן	2.8	
14	14.13	3	24.3.20	חרסית חולית	לא	כן	2.8	
14	14.14	0.5	24.3.20	חול	לא	כן	2.1	
14	14.14	1	24.3.20	חול	לא	כן	1.4	
14	14.14	2	24.3.20	חול	לא	כן	3	
14	14.14	3	24.3.20	חול	לא	כן	3.9	
14	14.15	0.5	23.3.20	חול חרסיתי	לא	כן	1.8	
14	14.15	1	23.3.20	חול חרסיתי	לא	כן	2.2	
14	14.15	2	23.3.20	חול חרסיתי	לא	כן	3.5	
14	14.15	3	23.3.20	חול חרסיתי	לא	כן	3.2	
14	14.16	0.5	23.3.20	חול חרסיתי	לא	כן	3.2	
14	14.16	1	23.3.20	חול חרסיתי	לא	כן	2.6	
14	14.16	2	23.3.20	חול חרסיתי	לא	כן	0.6	
14	14.16	3	23.3.20	חול חרסיתי	לא	כן	4	
14	14.17	0.5	23.3.20	חרסית חולית	לא	כן	1	
14	14.17	1	23.3.20	חמרה	לא	כן	1.2	
14	14.17	2	23.3.20	חרסית חולית	לא	כן	1.2	
14	14.17	3	23.3.20	חרסית חולית	לא	כן	0.5	
14	14.18	0.5	23.3.20	חמרה	לא	כן	4.1	
14	14.18	1	23.3.20	חרסית חולית	לא	כן	0.9	
14	14.18	2	23.3.20	חרסית חולית	לא	כן	0.6	
14	14.18	3	23.3.20	חרסית חולית	לא	כן	0.4	
14	14.19	0.5	23.3.20	חרסית חולית	לא	כן	3	
14	14.19	1	23.3.20	חרסית חולית	לא	כן	1.2	
14	14.19	2	23.3.20	חרסית חולית	לא	כן	0.5	
14	14.19	3	23.3.20	חרסית חולית	לא	כן	0.9	
14	14.20	0.5	23.3.20	חול חרסיתי	לא	כן	4.7	
14	14.20	1	23.3.20	חול חרסיתי	לא	כן	3.3	
14	14.20	2	23.3.20	חול חרסיתי	לא	כן	3.8	
14	14.20	3	23.3.20	חול חרסיתי	לא	כן	3.3	
14	14.21	0.5	23.3.20	חול	לא	כן	4.2	
14	14.21	1	23.3.20	חול	לא	כן	4	
14	14.21	2	23.3.20	חול	לא	כן	1.8	
14	14.21	3	23.3.20	חול	לא	כן	3.8	
14	14.22	0.5	23.3.20	חרסית חולית	לא	כן	3.8	

תא שטח	שם הקידוח	עומק [מ']	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
14	14.22	1	23.3.20	חרסית חולית	לא	כן	4	
14	14.22	2	23.3.20	חרסית חולית	לא	כן	4.5	
14	14.22	3	23.3.20	חרסית חולית	לא	כן	3.5	
14	14.23	0.5	23.3.20	חול	לא	כן	5.2	
14	14.23	1	23.3.20	חול	לא	כן	4.4.	
14	14.23	2	23.3.20	חול חרסיתי	לא	כן	1.7	
14	14.23	3	23.3.20	חול חרסיתי	לא	כן	5.5	
14	14.24	0.5	23.3.20	חול	לא	כן	4.9	
14	14.24	1	23.3.20	חול	לא	כן	5.5	
14	14.24	2	23.3.20	חול	לא	כן	5.1	
14	14.24	3	23.3.20	חול	לא	כן	5.1	
14	14.25	0.5	23.3.20	חרסית חולית	לא	כן	4.7	
14	14.25	1	23.3.20	חרסית חולית	לא	כן	5.5	
14	14.25	2	23.3.20	חרסית חולית	לא	כן	4	
14	14.25	3	23.3.20	חרסית חולית	לא	כן	1.5	
14	14.26	0.5	23.3.20	חרסית חולית	לא	כן	2	
14	14.26	1	23.3.20	חרסית חולית	לא	כן	1	
14	14.26	2	23.3.20	חרסית חולית	לא	כן	1.1	
14	14.26	3	23.3.20	חרסית חולית	לא	כן	1.3	
14	14.27	0.5	23.3.20	חרסית חולית	לא	כן	1.4	
14	14.27	1	23.3.20	חרסית חולית	לא	כן	0.2	
14	14.27	2	23.3.20	חרסית חולית	לא	כן	1.7	
14	14.27	3	23.3.20	חרסית חולית	לא	כן	1.4	
14	14.28	0.5	23.3.20	חרסית חולית	לא	כן	2.8	
14	14.28	1	23.3.20	חרסית חולית	לא	כן	4.7	
14	14.28	2	23.3.20	חרסית חולית	לא	כן	2.6	
14	14.28	3	23.3.20	חרסית חולית	לא	כן	1.5	
14	GW-14.1	0.5	24.6.20	חול חרסיתי וחומר מילוי	אין	אין	1	
14	GW-14.1	1	24.6.20	חול	אין	יש	2.3	
14	GW-14.1	2	24.6.20	חול	אין	יש	1.7	
14	GW-14.1	3	24.6.20	חול	אין	יש	1.6	הגעה למים
14	GW-14.2	0.5	24.6.20	חול חרסיתי עם נקודות שחורות	אין	יש	0.4	
14	GW-14.2	1	24.6.20	חול חרסיתי עם נקודות שחורות	אין	יש	0.4	מעט אבנים
14	GW-14.2	2	24.6.20	חול חרסיתי רטוב	אין	יש	1.2	
14	GW-14.2	3	24.6.20	חול חרסיתי אפור רטוב	אין	יש	1.9	הגעה למים
14	GW-14.3	0.5	24.6.20	חול	אין	יש	0.2	
14	GW-14.3	1	24.6.20	חול	אין	יש	0.2	
14	GW-14.3	2	24.6.20	חול	אין	יש	1.2	
14	GW-14.3	3	24.6.20	חרסית חולית אפורה שומנית	אין	יש	0.4	הגעה למים
14	GW-14.4	0.5	24.6.20	חול	אין	יש	5.8	
14	GW-14.4	1	24.6.20	חול	אין	יש	3.9	
14	GW-14.4	2	24.6.20	חול	אין	יש	5.3	
14	GW-14.4	3	24.6.20	חרסית חולית אפורה שומנית	אין	יש	4.2	הגעה למים
14	GW-14.5	0.5	24.6.20	חול חרסיתי	אין	יש	1	

תא שטח	שם הקידוח	עומק [מ']	תאריך ביצוע	ליתולוגיה	ריח	לחות	PID [ppm]	הערות
14	GW-14.5	1	24.6.20	חול	אין	יש	0.7	
14	GW-14.5	2	24.6.20	חול	אין	יש	2.9	
14	GW-14.5	3	24.6.20	חול	אין	יש	0.6	הגעה למים

טבלה 6: תוצאות אנליזת TPH עבור קידוחי קרקע בתא 11, בפוליגון המערבי

קידוח קרקע	עומק (מ')	PID [ppm]	TPH ORO	TPH DRO	TPH DRO+ORO
11.1	1m	0.4	22	<12	22
11.1	3m	0.4	<10	<12	-
11.2	1m	5.2	<10	<12	-
11.2	3m	0.2	<10	<12	-
11.3	1m	2.5	<10	<12	-
11.3	1m-SPLIT	-	<35	<35	-
11.3	3m	2.1	<10	<12	-
11.4	1m	2.4	<10	<12	-
11.4	3m	1.9	<10	<12	-
11.5	0.5m	0.7	33	14	47
11.5	0.5m-SPLIT	-	<35	<35	-
11.5	3m	1.2	<10	<12	-
11.6	0.5m	19.4	<10	<12	-
11.6	2m	**22.4**	10	16	26
11.7	1m	0.1	<10	<12	-
11.7	3m	3.8	<10	<12	-
11.8	1m	2.2	<10	<12	-
11.8	3m	2.6	<10	<12	-
11.9	0.5m	0.8	<10	<12	-
11.9	3m	0.5	<10	<12	-
11.9	4.5m	0.6	<10	<12	-
11.10	0.5m	0.6	12	<12	12
11.10	0.5m-SPLIT	-	<35	<35	-
11.10	3m	0.4	<10	<12	-
11.11	0.5m	0.5	16	<12	16
11.11	3m	0.8	<10	<12	-
11.12	0.5m	0.4	45	19	64
11.12	0.5m-SPLIT	-	<35	<35	-
11.12	3m	1.6	117	92	209
11.13	0.5m	0.2	<10	<12	-
11.13	3m	0.3	<10	<12	-
11.14	0.5m	4.3	<10	<12	-
11.14	3m	0.7	<10	<12	-
11.15	0.5m	0.5	24	<12	24
11.15	3m	1.2	<10	<12	-
11.16	0.5m	0.6	17	59	76
11.16	4m	(לחות)	<10	<12	-
11.21	0.5m	1.3	<10	<12	-
11.21	3m	3	<10	<12	-
11.22	0.5m	0.5	15	<12	15

קידוח קרקע	עומק (מ')	PID [ppm]	TPH ORO	TPH DRO	TPH DRO+ORO
11.22	3m	0.4	<10	<12	-
11.23	0.5m	0.8	63	13	76
11.23	0.5m-SPLIT	-	<35	<35	-
11.23	3m	0.7	<10	<12	-
11.24	0.5m	0.4	<10	<12	-
11.24	0.5m - DUP	-	<10	<12	-
11.24	3m	0.1	<10	<12	-
GW-11.1	0.5m	0.4	37	159	196
GW-11.1	3m	3.4	16	38	54
GW-11.2	0.5m	0.2	<10	<12	-
GW-11.2	3m	1.2	<10	<12	-
GW-11.3	0.5m	0.1	<10	<12	-
GW-11.3	3m	1.2	<10	<12	-
GW-11.4	0.5m	0.1	<10	<12	-
GW-11.4	4m	0.6	<10	<12	-
GW-11.5	0.5m	0.2	<10	<12	-
GW-11.5	3m	0.5	39	**1,770**	**1,809**
GW-11.6	0.5m	0.6	<10	<12	-
GW-11.6	3m	4	<10	<12	-
GW-11.7	0.5m	0.4	<10	<12	-
GW-11.7	3m	0.6	<10	<12	-
GW-11.7	3m-DUP	-	<10	<12	-
GW-11.8	0.5	0.6	<10	<12	-
GW-11.8	3	**40**	**493**	**12,600**	**13,093**
GW-11.9	0.5	1	<10	16	16
GW-11.9	3	16.3	**862**	**19,600**	**20,462**
GW-11.10	0.5	0.4	<10	<12	-
GW-11.10	3	3.8	12	253	265
GW-11.11	0.5	6.6	<10	<12	-
GW-11.11	3	9	<10	191	191
GW-11.12	0.5	2	104	45	149
GW-11.12	3	4.8	<10	29	29

<u>טבלה 7:</u> תוצאות אנליזת TPH עבור קידוחי קרקע בתא 14, בפוליגון המערבי

קידוח קרקע	עומק (מ')	PID [ppm]	TPH ORO	TPH DRO	TPH total DRO+ORO
14.1	0.5m	2.9	<10	<12	-
	3m	2.9	<10	<12	-
14.2	0.5m	0.9	<10	<12	-
	0.5m-SPLIT	-	<35	<35	-
	3m	2.2	<10	<12	-
14.3	1m	1.5	<10	<12	-
	3m	2.3	<10	<12	-
14.4	1m	2.1	<10	<12	-
	3m	2.4	<10	<12	-
14.5	0.5m	0.9	<10	<12	-
	0.5m-SPLIT	-	<35	<35	-
	3m	1.9	<10	<12	-

TPH total DRO+ORO	TPH DRO	TPH ORO	PID [ppm]	עומק (מ')	קידוח קרקע
-	<12	<10	0.1	1m	14.6
-	<12	<10	0.1	3m	
-	<12	<10	0.3	1m	14.7
-	<12	<10	-	1m - DUP	
-	<12	<10	1.1	3m	
-	<12	<10	4.8	6m	
-	<12	<10	3.8	7.5m	
-	<12	<10	0.1	10m	
298	46	252	0.2	0.5m - DUP	14.8
301	53	248		0.5m	
137	41	96	0.7	3m	
-	<12	<10	2.8	1m	14.9
-	<12	<10	2.7	3m	
-	<12	<10	4.4	0.5m	14.10
-	<35	<35	-	0.5m-SPLIT	
-	<12	<10	4.1	3m	
-	<12	<10	4.7	0.5m	14.11
-	<12	<10	2.7	3m	
-	<12	<10	5.1	1m	14.12
-	<12	<10	5.4	3m	
-	<12	<10		0.5m	14.13
-	<12	<10		3m	
-	<12	<10		0.5m	14.14
-	<12	<10		3m	
-	<12	<10	1.8	0.5m	14.15
-	<12	<10	3.2	3m	
-	<12	<10	3.2	0.5m	14.16
-	<12	<10	4	3m	
-	<12	<10	1	0.5m	14.17
-	<12	<10	0.5	3m	
22	<12	22	4.1	0.5m	14.18
-	<12	<10	0.4	3m	
-	<12	<10	3	0.5m	14.19
-	<12	<10	0.9	3m	
-	<12	<10	4.7	0.5m	14.20
-	<12	<10	3.3	3m	
-	<12	<10	4.2	0.5m	14.21
-	<12	<10	3.8	3m	
-	<12	<10	3.8	0.5m	14.22
-	<35	<35	-	0.5m-SPLIT	
-	<12	<10	3.5	3m	
-	<12	<10	5.2	0.5m	14.23
-	<12	<10	5.5	3m	
-	<12	<10	4.9	0.5m	14.24
-	<12	<10	5.1	3m	
-	<12	<10	4.7	0.5m	14.25
-	<35	<35	-	0.5m-SPLIT	
-	<12	<10	1.5	3m	
-	<12	<10	2	0.5m	14.26
-	<35	<35	-	0.5m-SPLIT	
-	<12	<10	1.3	3m	
-	<12	<10	1.4	0.5m - DUP	14.27
-	<12	<10	-	0.5m	
-	<12	<10	1.4	3m	

TPH total DRO+ORO	TPH DRO	TPH ORO	PID [ppm]	עומק (מ')	קידוח קרקע
-	<12	<10	2.8	0.5m	14.28
-	<12	<10	1.5	3m	
	<12	<10	1	1m	GW-14.1
	<12	<10	1.6	3m	
	28	102	0.4	0.5m	GW-14.2
	<12	<10	1.9	3m	
	<12	<10	0.2	0.5m	GW-14.3
	<12	<10	0.4	3m	
	<12	<10	5.8	0.5m	GW-14.4
	<12	<10	4.2	3m	
	<12	15	1	0.5m	GW-14.5
	<12	<10	0.6	3m	

טבלה 8: תוצאות אנליזת מתכות עבור קידוחי קרקע בתא 11, בפוליגון המערבי

קידוח קרקע ועומק (מ')																				
14.16	14.15	14.14	14.13	14.12	14.11	14.10	14.9	14.8	14.7	14.6	14.5	14.5	14.4	14.3	14.2	14.2	14.1	VSL*	פרמטר [mg/kg]	
0.5	0.5	0.5	0.5	1	0.5	0.5	1	0.5	1	1	0.5-SPLIT	0.5	1	1	0.5-SPLIT	0.5	0.5			
952	896	813	1380	1160	1930	909	7640	1790	785	931	548	1090	822	846	639	1170	925	77,999	אלומיניום	Al
<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.6	<0.50	<0.50	<0.50	<0.6	<0.50	<0.50	31.3	אנטימון	Sb
1.01	1.59	2.37	2.39	2.59	1.95	3.49	2.76	2.37	1.53	1.81	1.78	2.13	2.61	1.41	1.86	2.34	2.52	16.0	ארסן	As
12.2	9.66	9.13	11.8	10.2	11.1	9.55	18.5	18.5	8.46	11.1	12.50	10	9.47	9.54	13.9	11.9	10.3	15,557	בריום	Ba
0.03	0.03	0.028	0.044	0.039	0.06	0.028	0.238	0.054	0.023	0.034	0.01	0.033	0.024	0.028	0.0226	0.04	0.028	156	בריליום	Be
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1	<1.0	<1.0	NA	ביסמוט	Bi
<1.0	<1.0	1.2	1.4	2.6	1.5	1.3	2.6	1.8	1.1	1.5	0.79	1.4	1.3	1.2	1.09	1.5	1.2	1,232	בורון	B
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.02	<0.40	<0.40	<0.40	<0.02	<0.40	<0.40	71	קדמיום	Cd
19500	48700	49900	63200	52700	49000	68200	39700	103000	39300	73700	55700	62300	55100	48900	84300	78100	63100	NA	סידן	Ca
4.42	3.02	3.45	3.72	3.41	4.59	3.18	13.1	5.58	2.9	3.26	3.45	3.44	3.1	2.89	3.66	3.82	3.05	109,449	כרום	Cr
1.01	0.74	0.56	0.8	0.76	1.03	0.73	3.09	0.85	0.55	0.69	3.18	0.68	0.59	0.57	2.42	0.81	0.7	23	קובלט	Co
2.2	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	3.7	2.5	<1.0	<1.0	<1.4	19	<1.0	<1.0	1.59	1.4	<1.0	3,129	נחושת	Cu
1280	1230	1050	1610	1460	2020	1240	7680	1990	1020	1250	1320.00	1440	1110	1110	1540	1510	1280	10,165	ברזל	Fe
2.4	<1.0	<1.0	<1.0	<1.0	3.9	<1.0	1.6	3.4	<1.0	<1.0	<0.7	1.6	<1.0	<1.0	1.56	2.7	<1.0	40	עופרת	Pb
1.2	1.2	<1.0	1.4	1.1	1.7	<1.0	6.7	2	<1.0	1	3.50	1.1	<1.0	<1.0	4.93	<1.0	<1.0	156	ליתיום	Li
681	823	864	957	804	976	1080	1450	10900	620	1030	701.00	1040	851	888	1520	1510	883	NA	מגנזיום	Mg
57.3	71.8	62.1	92.6	78	82.3	106	179	80.3	61.4	86.5	79.30	83.5	67.3	90.6	94.2	93.9	83.8	1,865	מנגן	Mn
<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.14	<0.20	<0.20	<0.20	<0.14	<0.20	<0.20	3.13	כספית	Hg
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.1	<0.40	<0.40	<0.40	<0.1	<0.40	<0.40	391	מוליבדן	Mo
7.8	1.4	<1.0	1.4	1.2	6.3	1.2	6.9	5.2	<1.0	1.1	1.92	1.7	<1.0	<1.0	5.21	5.8	1.1	528	ניקל	Ni
79.9	85.8	107	108	102	98.7	113	75.8	103	69.8	102	99.30	108	86.4	91.8	108	118	90	NA	זרחן	P
156	150	133	207	178	276	152	870	270	133	163	147.00	174	138	137	173	196	155	NA	אשלגן	K
<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1	<2.0	<2.0	<2.0	<1	<2.0	<2.0	20	סלניום	Se

קידוח קרקע ועומק (מ')																				
14.16	14.15	14.14	14.13	14.12	14.11	14.10	14.9	14.8	14.7	14.6	14.5	14.5	14.4	14.3	14.2	14.2	14.1	VSL*	פרמטר [mg/kg]	
0.5	0.5	0.5	0.5	1	0.5	0.5	1	0.5	1	1	0.5-SPLIT	0.5	1	1	0.5-SPLIT	0.5	0.5			
244	249	353	296	302	288	270	348	251	315	292	-	336	328	354	-	268	220	NA	סיליקון	Si
<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<10	<0.50	<0.50	338	כסף	Ag
81	161	291	246	203	182	295	218	230	182	309	234	285	261	262	310	300	265	NA	נתרן	Na
72	160	211	263	218	221	246	272	265	144	266	222	232	219	188	295	268	226	46,929	סטרונציום	Sr
54	72	96	89	76	73	85	84	231	60	85	-	88	85	88	-	108	82	NA	גופרית	S
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1	<1.0	<1.0	NA	טלור	Te
<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.7	<0.50	<0.50	<0.50	<0.7	<0.50	<0.50	0.782	תליום	Tl
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.24	<1.0	<1.0	<1.0	<0.24	<1.0	<1.0	46,929	בדיל	Sn
138	46.7	51	75.9	54	81.1	47.8	378	85.9	45.2	67.8	44.40	72.2	51.1	58.4	44.4	61.5	49.4	NA	טיטניום	Ti
9.03	3.7	2.52	6.72	3.25	12.5	3.16	14	11.1	3.88	2.97	6.61	7.28	2.74	2.56	8.84	11.4	4	390	וונדיום	V
11.3	<3.0	<3.0	<3.0	4.1	9.1	<3.0	9.3	30.6	<3.0	<3.0	3.09	11.7	<3.0	<3.0	17.1	15	<3.0	23,464	אבץ	Zn
<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	-	<5.0	<5.0	6.26	זירקוניום	Zr

קרקע ועומק (מ') קידוח																				
GW-14.5	GW-14.4	GW-14.3	GW-14.2	GW-14.1	14.28	14.28	14.27	14.26	14.25	14.24	14.23	14.22	14.21	14.20	14.19	14.18	14.17	VSL*	פרמטר [mg/kg]	
0.5	0.5	0.5	0.5	1	0.5-SPLIT	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
1400	896	901	2360	943	609	1210	768	1230	1140	931	995	1030	1450	1100	1180	2190	5760	77,999	אלומיניום	Al
<0.50	<0.50	<0.50	<0.50	<0.50	<0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	31.3	אנטימון	Sb
4.1	1.36	2.47	2.61	2.01	3.2	2.19	1.6	1.2	1.09	1.11	0.89	0.7	1.4	0.9	2.39	1.45	1.94	16.0	ארסן	As
14.6	9.3	11.6	14.4	11.2	16.4	13	10.5	11.2	11.4	10.6	11.2	11.2	12.7	10.9	12.1	15.7	27.4	15,557	בריום	Ba
0.05	0.035	0.044	0.073	0.035	0.0	0.04	0.029	0.039	0.041	0.024	0.025	0.031	0.04	0.034	0.039	0.066	0.162	156	בריליום	Be
<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	ביסמוט	Bi
2.2	1.2	1.9	2.2	1.6	<0.7	1.2	1.6	1.4	<1.0	<1.0	1.1	1	1.4	1.2	1.1	1.8	2.7	1,232	בורון	B
<0.40	<0.40	<0.40	<0.40	<0.40	<0.02	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	71	קדמיום	Cd

קרקע ועומק (מ') קידוח																				
GW-14.5	GW-14.4	GW-14.3	GW-14.2	GW-14.1	14.28	14.28	14.27	14.26	14.25	14.24	14.23	14.22	14.21	14.20	14.19	14.18	14.17	VSL*	פרמטר [mg/kg]	
0.5	0.5	0.5	0.5	1	0.5-SPLIT	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
99200	38000	84600	112000	76400	115,000	45900	77300	35800	44700	36700	34600	50000	61400	41400	40700	55000	62000	NA	סידן	Ca
4.4	3.1	3.64	7.46	3.33	3.7	3.8	3.73	3.6	3.32	3.41	4.12	4.82	4.93	4.17	4.3	5.22	11.6	109,449	כרום	Cr
0.73	0.54	0.63	1.04	0.54	2.0	1.04	0.75	0.88	0.8	0.85	0.98	0.95	0.99	0.87	0.94	1.32	3.56	23	קובלט	Co
1.3	<1.0	<1.0	3.2	<1.0	<1.4	1.6	4	1	<1.0	1.2	3	4.1	4.4	4.1	3.6	3.4	4.9	3,129	נחושת	Cu
1720	1200	1400	2510	1340	1,680.0	1500	1300	1400	1380	1240	1420	1320	2250	1360	1420	2180	7650	10,165	ברזל	Fe
3.9	<1.0	<1.0	3	<1.0	2.2	2.1	2.6	2.6	<1.0	1.1	2.4	5.8	4	2.6	3.2	4.3	6.7	40	עופרת	Pb
1.8	1.2	1.2	2.9	1.4	7.7	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.5	<1.0	1.3	2.2	4.8	156	ליתיום	Li
3720	634	1370	16200	1170	1,100.0	798	1430	933	643	713	740	850	1840	1590	1960	1860	4950	NA	מגנזיום	Mg
104	65.2	95.8	91.8	91.1	83.3	78.9	89.7	59.3	61.9	69.6	64.5	63.3	82.6	60.4	54.1	63.4	126	1,865	מנגן	Mn
<0.20	<0.20	<0.20	<0.20	<0.20	<0.14	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	3.13	כספית	Hg
<0.40	<0.40	<0.40	<0.40	<0.40	<0.1	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	391	מוליבדן	Mo
1.9	1	<1.0	4.4	<1.0	11.7	17.8	4.2	3.6	1.3	2.8	11.4	18.3	5.9	4.8	7.3	6.8	35.8	528	ניקל	Ni
162	95.2	147	126	180	121.0	103	95.9	95	89.7	72.5	90.5	97.8	136	108	89.7	121	139	NA	זרחן	P
239	162	165	364	181	155.0	195	141	201	185	163	164	177	227	182	192	328	626	NA	אשלגן	K
<2.0	<2.0	<2.0	<2.0	<2.0	<1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	20	סלניום	Se
227	230	226	202	260	-	275	205	240	268	222	287	304	261	164	233	204	198	NA	סיליקון	Si
<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	338	כסף	Ag
431	174	379	262	319	182.0	146	269	132	139	129	147	198	238	163	122	144	231	NA	נתרן	Na
324	136	304	251	262	497.0	169	332	115	164	128	129	163	207	152	133	182	235	46,929	סטרונציום	Sr
192	58	133	213	119	-	60	131	60	51	59	65	81	113	97	93	79	93	NA	גופרית	S
<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	טלור	Te
<0.50	<0.50	<0.50	<0.50	<0.50	<0.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.782	תליום	Tl
<1.0	<1.0	<1.0	<1.0	<1.0	<0.24	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	46,929	בדיל	Sn
79.6	55.5	49.2	117	51.5	54.1	74.7	77.8	64.2	57.3	61.2	73.4	59.4	84.3	65.7	62.4	94.8	268	NA	טיטניום	Ti
6.61	4.04	3.16	10.7	3.07	24.3	19.2	9.41	6.04	3.34	11.2	16.1	23.6	8.98	7.56	9.83	15.7	31.6	390	וונדיום	V

קרקע ועומק (מ') קידוח																				
פרמטר [mg/kg]		VSL*	14.17	14.18	14.19	14.20	14.21	14.22	14.23	14.24	14.25	14.26	14.27	14.28	14.28	GW-14.1	GW-14.2	GW-14.3	GW-14.4	GW-14.5
			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5-SPLIT	1	0.5	0.5	0.5	0.5
Zn	אבץ	23,464	77.2	15.1	14.6	21	94.9	16.3	11.5	5.2	<3.0	5.1	10.9	8.1	9.4	<3.0	29.6	<3.0	<3.0	9.3
Zr	זירקוניום	6.26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0	<5.0

(*) נעשתה השוואה לערכי VSL (הנחיות IRBCA גרסה 5, ינואר 2020, המשרד להגנ"ס)

טבלה 9: תוצאות אנליזת מתכות עבור קידוחי קרקע בתא 11, בפוליגון המערבי

קידוח קרקע ועמק (מ')																				
פרמטר [mg/kg]		VSL	11.1	11.2	11.3	11.4	11.5	11.5	11.6	11.7	11.8	11.9	11.10	11.10	11.11	11.12	11.13	11.14	11.15
			1	1	1	1	0.5-SPLIT	0.5	0.5	1	1	0.5	0.5	0.5-SPLIT	0.5	0.5	0.5	0.5	0.5
Al	אלומיניום	77,999	1060	32800	1160	2210	915	1970	1240	1150	2820	3420	3050	1680	3100	3580	4540	1060	1820
Sb	אנטימון	31.3	<0.50	<0.50	<0.50	<0.50	<0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.6	<0.50	<0.50	<0.50	<0.50	<0.50
As	ארסן	16.0	<0.50	3.61	1.39	1.7	1.53	1.12	1.28	0.59	1.41	2.24	4.09	3.3	3.44	2.02	1.79	0.7	2.13
Ba	בריום	15,557	11.5	166	11.1	12.3	11.5	13.3	11.3	10.5	24	17.3	21.7	22.0	32.1	17.5	18	10.7	15.8
Be	ברליום	156	0.034	1	0.029	0.07	0.0259	0.064	0.04	0.028	0.083	0.105	0.072	0.0	0.079	0.116	0.146	0.029	0.054
Bi	ביסמוט	NA	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0
B	בורון	1,232	<1.0	9.6	<1.0	1.5	0.784	1.9	<1.0	<1.0	1.5	1.8	2.6	0.974	1.7	1.7	2	1.1	1.4
Cd	קדמיום	71	<0.40	<0.40	<0.40	<0.40	<0.02	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.1	<0.40	<0.40	<0.40	<0.40	<0.40
Ca	סידן	NA	46400	10300	35700	61500	35400	68100	40200	32800	70000	48500	142000	67,000	98200	39700	29000	37000	58300
Cr	כרום	109,449	3.32	52.5	3.33	4.67	3.48	4.79	3.81	3.43	6.55	6.71	7	5.5	6.45	7.5	8.24	3.33	5.09
Co	קובלט	23	0.76	10.6	0.88	1.09	0.946	0.99	0.93	0.55	1.64	1.44	1.56	1.5	1.34	1.74	1.84	0.67	1.24
Cu	נחושת	3,129	1	20.4	<1.0	1.4	1.88	2.8	1.1	<1.0	2.9	2.3	3.4	3.2	3.2	3.8	2.8	<1.0	2.8
Fe	ברזל	10,165	1290	33600	1330	2120	1550	2080	1520	1330	3620	3600	3990	2,720.0	3740	4610	4710	1280	2090
Pb	עופרת	40	2	6.6	<1.0	1.4	2.08	2.6	<1.0	<1.0	6.3	3.5	6.9	8.7	16.6	5.5	1.9	<1.0	4
Li	ליתיום	156	1.10	28.00	1.00	2.20	1.84	2.10	1.60	<1.0	2.50	3.10	3.80	2.96	2.80	3.00	3.70	1.10	1.80
Mg	מגנזיום	NA	1220	6330	572	1610	3280	9560	674	553	1840	1300	16100	1,160.0	2420	1180	1160	573	2860

קידוח קרקע ועמק (מ')																			
11.15	11.14	11.13	11.12	11.11	11.10	11.10	11.9	11.8	11.7	11.6	11.5	11.5	11.4	11.3	11.2	11.1	VSL	פרמטר [mg/kg]	
0.5	0.5	0.5	0.5	0.5	0.5-SPLIT	0.5	0.5	1	1	0.5	0.5-SPLIT	0.5	1	1	1	1			
93.3	65.6	102	109	97.7	88.1	99.4	86.2	91.7	66.1	77.7	63.4	76	73.4	69.7	1050	68.2	1,865	מנגן	Mn
<0.20	<0.20	<0.20	<0.20	<0.20	<0.14	<0.20	<0.20	<0.20	<0.20	<0.20	<0.14	<0.20	<0.20	<0.20	<0.20	<0.20	3.13	כספית	Hg
<0.40	<0.40	<0.40	<0.40	<0.40	<0.1	<0.40	<0.40	<0.40	<0.40	<0.40	<0.1	<0.40	<0.40	<0.40	0.66	<0.40	391	מוליבדן	Mo
21.4	1.7	4.2	14.4	5.6	49.6	45.8	12.9	28.4	1.1	1.8	2.48	3.2	3.3	1.4	31.2	3.5	528	ניקל	Ni
114	85.2	108	116	142	118.0	106	128	110	101	80.6	92.5	130	116	104	257	86.9	NA	זרחן	P
269	167	784	629	448	300.0	386	526	367	181	244	228	336	372	189	5700	165	NA	אשלגן	K
<2.0	<2.0	<2.0	<2.0	<2.0	<1	<2.0	<2.0	<2.0	<2.0	<2.0	<1	<2.0	<2.0	<2.0	<2.0	<2.0	20	סלניום	Se
281	376	250	311	252	-	258	349	226	285	251	-	313	254	318	326	287	NA	סיליקון	Si
<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<0.50	<0.50	<0.50	338	כסף	Ag
182	143	106	128	292	167.0	187	140	260	166	183	142	206	223	166	277	169	NA	נתרן	Na
179	121	106	143	320	349.0	293	149	241	124	162	118	175	236	127	65.6	154	46,929	סטרונציום	Sr
77	49	43	63	186	-	189	60	104	52	52	-	107	67	47	74	50	NA	גופרית	S
<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0	<1.0	NA	טלור	Te
<0.50	<0.50	<0.50	<0.50	<0.50	<0.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.7	<0.50	<0.50	<0.50	<0.50	<0.50	0.782	תליום	Tl
<1.0	<1.0	<1.0	<1.0	<1.0	<0.24	<1.0	<1.0	<1.0	<1.0	<1.0	<0.24	<1.0	<1.0	<1.0	<1.0	<1.0	46,929	בדיל	Sn
95.7	62.9	185	158	163	91.2	201	138	124	56.4	68.9	61.2	87.9	92.1	66.6	1390	54.5	NA	טיטניום	Ti
27.1	7.81	7.86	39.7	13.7	51.7	63.6	36.5	42.6	11.9	3.4	9.34	11.9	7.69	3.37	45.9	9.38	390	וונדיום	V
11.3	<3.0	11.4	43.6	15.4	35.7	10.1	10.2	28.1	3.2	5.1	21	20.4	5	<3.0	49.2	4.2	23,464	אבץ	Zn
<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	<5.0	<5.0	-	<5.0	<5.0	<5.0	**18.7**	<5.0	6.26	זירקוניום	Zr

קידוח קרקע ועמק (מ')																			
GW-11.12	GW-11.11	GW-11.8	GW-11.10	GW-11.9	GW-11.7	GW-11.6	GW-11.5	GW-11.4	GW-11.3	GW-11.2	GW-11.1	11.24	11.23	11.22	11.21	11.16	VSL*	פרמטר [mg/kg]	
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
2520	3390	3110	2820	5190	5340	2740	1620	3800	1690	3860	3710	926	2450	1060	1060	3610	77,999	אלומיניום	Al
<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	31.3	אנטימון	Sb
3.59	2.07	1.87	1.57	1.52	2.24	1.82	1.29	2.29	6.16	2.35	3.1	0.76	2.96	0.88	1.7	2.14	16.0	ארסן	As

קידוח קרקע ועמק (מ')																			
GW-11.12	GW-11.11	GW-11.8	GW-11.10	GW-11.9	GW-11.7	GW-11.6	GW-11.5	GW-11.4	GW-11.3	GW-11.2	GW-11.1	11.24	11.23	11.22	11.21	11.16	VSL*	פרמטר [mg/kg]	
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
24.2	20	17.8	16.8	30.6	19.8	18.4	12.4	16	19.2	17.9	17.8	11.2	16.4	10	11.9	19.6	15,557	בריום	Ba
0.076	0.111	0.097	0.091	0.155	0.175	0.091	0.057	0.116	0.044	0.121	0.121	0.03	0.059	0.036	0.039	0.126	156	בריליום	Be
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	ביסמוט	Bi
1.8	1.9	1.8	2.1	2.1	2.2	1.4	1.1	1.7	1.1	2.2	2.1	2.2	1.7	<1.0	1.6	2.6	1,232	בורון	B
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	71	קדמיום	Cd
82900	41600	50200	75000	47100	42400	42700	48100	60300	133000	66700	75900	47600	93100	41200	82700	56000	NA	סידן	Ca
8.14	7.57	6.79	6.2	9.46	9.51	6.04	4.76	7.28	4.47	7.44	7.28	3.23	5.57	3.29	3.75	7.45	109,449	כרום	Cr
1.97	1.63	1.54	1.36	2.32	2.17	1.42	0.9	1.61	0.93	1.69	1.52	0.65	1.26	0.73	0.69	1.83	23	קובלט	Co
4.1	2.8	2.2	1.8	2.8	2.9	2.2	1.3	2	1.6	2.3	2	<1.0	2.7	<1.0	<1.0	5.3	3,129	נחושת	Cu
4450	3920	3590	3360	5180	5570	4020	1770	4160	2210	4180	4020	1240	2480	1350	1470	4090	10,165	ברזל	Fe
17.1	6.9	2.8	1.5	1.9	<1.0	3.5	<1.0	3.5	<1.0	<1.0	<1.0	1	3.9	1.3	<1.0	6.9	40	עופרת	Pb
2.7	2.9	2.9	2.7	4.7	4.7	2.6	1.6	3.8	1.9	4	3.9	1.00	2.50	1.20	1.20	3.40	156	ליתיום	Li
2260	1120	984	1070	1330	1210	982	712	1180	1040	1340	1450	653	6550	596	1080	1810	NA	מגנזיום	Mg
122	104	111	103	154	116	99.5	70.4	98.3	83.5	105	92.4	69.5	97	70.7	85	125	1,865	מנגן	Mn
<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	3.13	כספית	Hg
<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	391	מוליבדן	Mo
49.9	5.4	3.4	2.8	4.8	4.6	3.4	1.9	3.7	1.7	3.4	3.1	1.3	18.3	1.2	1.2	6.3	528	ניקל	Ni
148	110	122	137	114	163	103	129	120	99.3	142	110	82.3	119	87.1	138	100	NA	זרחן	P
428	584	524	516	840	927	455	289	653	229	684	686	154	392	164	172	578	NA	אשלגן	K
<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	20	סלניום	Se
250	251	260	257	236	216	216	248	217	205	215	184	330	224	373	366	245	NA	סיליקון	Si
<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	338	כסף	Ag
192	176	213	371	182	195	176	186	199	135	226	264	175	157	152	337	205	NA	נתרן	Na
304	197	186	284	214	167	166	178	246	439	345	352	146	207	132	242	291	46,929	סטרונציום	Sr
112	83	66	90	92	60	53	61	70	84	97	126	63	151	48	94	138	NA	גופרית	S
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	טלור	Te

קידוח קרקע ועמק (מ')																			
GW-11.12	GW-11.11	GW-11.8	GW-11.10	GW-11.9	GW-11.7	GW-11.6	GW-11.5	GW-11.4	GW-11.3	GW-11.2	GW-11.1	11.24	11.23	11.22	11.21	11.16	VSL*	פרמטר [mg/kg]	
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.782	תליום	Tl
<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	46,929	בדיל	Sn
149	151	134	114	194	188	124	82.7	171	121	151	150	60.1	130	64.1	64.5	143	NA	טיטניום	Ti
74.9	13.2	9.78	7.88	9.58	8.1	8.18	5.53	6.59	7.34	30	6.76	7.09	25.5	8.33	8.7	12.5	390	וונדיום	V
46.3	18	9.7	7.8	9.6	8.5	52.8	4.2	11.6	8.7	6.4	6	<3.0	11.4	4.9	<3.0	48.2	23,464	אבץ	Zn
<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	6.26	זירקוניום	Zr

(*) נעשתה השוואה לערכי VSL (הנחיות IRBCA גרסה 5, ינואר 2020, המשרד להגנ"ס)

טבלה 10: תוצאות אנליזת נדיפים ונדיפים למחצה (VOC,SVOC) עבור קידוחי קרקע בפוליגון המערבי

בטבלה להלן מוצגים רק ערכים שנמדדו מעל סף הכימות האנליטי. תעודות מעבדה מלאות מצורפות לדוח כנספח 1. חריגות מערכי המטרה מסומנות באדום.

שם הקידוח ועומק [מ']	ערכי מטרה*	2-Methylnaphthalene	Dibenzofuran	Di-n-octyl phthalate	Acenaphthene	Acenaphthylene	Anthracene	Phenanthrene	Pyrene	tert-Butyl alcohol	Ethylbenzene	Isopropylbenzene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	tert-Butyl alcohol	tert-Butylbenzene	Bis(2-ethylhexyl)phthalate	Naphthalene
	VSL	**32.59**	**26.45**	**70.28**	**19.74**	**NA**	**0.71**	**NA**	**7.34**	**NA**	**7.12**	**50.43**	**19.38**	**48.55**	**26.48**	**NA**	**33.62**	**37.35**	**0.14**
	Tier 1	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**NA**	**11.22**	**50.43**	**19.38**	**48.55**	**26.48**	**NA**	**33.62**	**37.35**	**0.14**
GW-11.5	3	0.353	0.189	<0.050	0.178	0.074	0.078	1.02	0.036	-	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.050	<10
GW-11.1	3	<0.050	<0.050	0.125	<0.020	<0.020	<0.020	<0.020	<0.020	-	<0.050	<0.10	<0.10	<0.10	<0.10	<0.80	<0.10	<0.050	<0.10
GW-14.4	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	16	<5.0	<5.0	<5.0	<5.0	<5.0	16	<5.0	<0.050	<10
GW-14.3	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	12	<5.0	<5.0	<5.0	<5.0	<5.0	12	<5.0	<0.050	<10
GW-14.2	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	28	<5.0	<5.0	<5.0	<5.0	<5.0	28	<5.0	<0.050	<10
GW-14.5	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	60	<5.0	<5.0	<5.0	<5.0	<5.0	60	<5.0	<0.050	<10
GW-14.1	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	105	<5.0	<5.0	<5.0	<5.0	<5.0	105	<5.0	<0.050	<10
GW-11.4	4	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.050	<10
GW-11.2	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.050	<10
GW-11.6	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.050	<10
GW-11.3	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	42	<5.0	<5.0	<5.0	<5.0	<5.0	42	<5.0	<0.050	<10
GW-11.7	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	44	<5.0	<5.0	<5.0	<5.0	<5.0	44	<5.0	<0.050	<10
GW-11.9	3	2.5	<0.050	<0.050	<0.020	<0.020	<0.020	<1.24	0.42	15	0.02	0.070	1.79	0.244	0.304	0.015	0.008	1.12	0.083
GW-11.8	3	1.16	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	0.141	<0.80	<0.050	0.58	1.97	2.06	3.73	<0.80	<0.10	0.416	**0.76**
GW-11.11	3	<0.050	<0.050	<0.050	<0.020	<0.020	<0.020	<0.020	<0.020	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<0.050	<10

(*) נעשתה השוואה לערכי VSL ולערכי TIER 1 למגורים (הנחיות IRBCA גרסה 5, ינואר 2020, המשרד להגנ"ס)

4.2 ממצאי חקירת גז הקרקע

בטבלה להלן מסוכמות תוצאות אנליזת גזי הקרקע עבור דגימות שנלקחו בשטח הפוליגון המערבי. חריגות מערכי המטרה TIER 1 למגורים[1] מסומנות באדום. דוחות מעבדה מלאים מצורפים בנספח 1, טפסי שדה ומשמורת מצורפים בנספח 2.

טבלה 11: תוצאות אנליזת גזי קרקע בפוליגון המערבי

פרמטר	CAS no.	TIER 1 [µg/m³]	SG-14.3	SG-14.6	SG-14.12	SG-14-15	SG-14-18	SG-14.21	SG-14.24	SG-14.27	SG-11-5	SG-11-9	SG-11-13	SG-11-15	SG-11-21
Propene	115-07-1	417,143	**0.85**	<0.50	**1.7**	<0.48	<0.48	**5.2**	**5.5**	**6.6**	<0.48	**0.71**	<0.52	<0.55	<0.54
Dichlorodifluoromethane (CFC 12)	75-71-8	13,905	**2.2**	**2.3**	**2.2**	**12**	**2.1**	**2.3**	**2.3**	**2.4**	**2.1**	**2.1**	**2**	**1.9**	**2.2**
Chloromethane	74-87-3	12,514	<0.37	<0.33	**0.44**	<0.32	<0.32	**0.85**	**0.61**	**1.1**	<0.32	<0.34	<0.35	<0.36	<0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	76-14-2	NA	<0.37	<0.32	<0.35	<0.31	<0.31	<0.35	<0.29	<0.29	<0.31	<0.34	<0.34	<0.35	<0.35
Vinyl Chloride	75-01-4	85.08	<0.25	<0.22	<0.24	<0.21	<0.21	<0.24	<0.20	<0.20	<0.21	<0.23	<0.23	<0.24	<0.24
1,3-Butadiene	106-99-0	30.00	<0.38	<0.34	<0.36	<0.32	<0.32	<0.37	<0.31	<0.31	<0.33	<0.35	<0.35	<0.37	<0.37
Bromomethane	74-83-9	695.24	<0.32	<0.28	<0.31	<0.27	<0.27	<0.31	<0.26	**0.64**	<0.28	<0.30	<0.30	<0.31	<0.31
Chloroethane	75-00-3	1,390,476	<0.29	<0.25	<0.27	<0.24	<0.24	**0.43**	**0.79**	**2**	<0.25	<0.26	<0.27	<0.28	<0.28
Ethanol	64-17-5	N/A	**52**	**140**	**130**	**470**	**330**	**520**	**140**	**180**	**64**	**6.2**	**78**	**18**	**41**
Acetonitrile	75-05-8	8,343	**1.8**	**0.56**	**1.4**	<0.48	**0.48**	**1.8**	**0.96**	**1.3**	**0.96**	<0.52	<0.52	**0.63**	<0.54
Acrolein	107-02-8	2.78	**1.8**	**3.2**	**8.3**	<0.55	<0.55	**3.0**	**7.3**	**4.5**	**0.61**	<0.60	<0.60	**1.5**	<0.63
Acetone	67-64-1	4,310,476	**22**	**61**	**54**	**9.1**	**15**	**67**	**64**	**64**	**22**	**7.8**	**12**	**55**	**8.7**
Trichlorofluoromethane (CFC 11)	75-69-4	NA	**5.1**	**1.7**	**2.7**	**300**	**2.2**	**6.9**	**4.9**	**5.1**	**1.8**	**1.6**	**1.3**	**9.2**	**1.3**
2-Propanol	67-63-0	27,810	<0.96	**20**	**4.7**	<0.81	**2.7**	**22**	**16**	**21**	**1.6**	<0.88	<0.89	**1.2**	<0.92

SG-11-21	SG-11-15	SG-11-13	SG-11-9	SG-11-5	SG-14.27	SG-14.24	SG-14.21	SG-14-18	SG-14-15	SG-14.12	SG-14.6	SG-14.3	TIER 1 [µg/m³]	CAS no.	פרמטר
<0.46	<0.46	<0.44	<0.44	<0.41	**0.85**	**0.4**	<0.46	<0.40	<0.40	<0.45	**0.47**	**1.4**	5.51	107-13-1	Acrylonitrile
<0.31	<0.31	<0.30	<0.30	<0.28	<0.26	<0.26	<0.31	<0.27	<0.27	<0.31	<0.28	<0.32	27,810	75-35-4	1,1-Dichloroethene
<0.63	<0.63	<0.60	<0.60	**2.6**	**3.3**	**1.4**	**2.9**	**0.9**	**1.1**	**0.68**	**2.1**	<0.65	45,000	75-09-2	Methylene Chloride
<0.30	<0.30	<0.29	<0.29	<0.27	<0.25	<0.25	<0.30	<0.26	<0.26	<0.30	<0.28	<0.31	62.39	107-05-1	3-Chloro-1-propene (Allyl Chloride)
0.48	**0.47**	**0.43**	**0.46**	**0.47**	**0.53**	**0.56**	**0.61**	**0.5**	**0.87**	**0.48**	**0.45**	**0.53**	695,238	76-13-1	Trichlorotrifluoroethane (CFC 113)
1.6	**29**	<0.64	**7.4**	**0.73**	**3.4**	**4.4**	**0.68**	<0.59	**1.6**	**29**	**2.8**	**9.9**	97,333	75-15-0	Carbon Disulfide
<0.31	<0.31	<0.30	<0.30	<0.28	<0.26	<0.26	<0.31	<0.27	<0.27	<0.31	<0.30	<0.32	NA	156-60-5	trans-1,2-Dichloroethene
<0.33	<0.33	<0.31	<0.31	<0.29	<0.27	<0.27	<0.32	<0.29	<0.29	<0.32	<0.24	<0.34	233.97	75-34-3	1,1-Dichloroethane
0.33	**7.9**	**1.7**	**0.62**	**7**	<0.22	<0.22	**0.52**	**0.53**	**1**	<0.26	<4.6	<0.27	1,440	1634-04-4	Methyl tert-Butyl Ether
<5.0	<5.1	<4.8	<4.8	<4.5	<4.2	**16**	**7.7**	<4.4	<4.4	**25**		**5.3**	27,810	108-05-4	Vinyl Acetate
0.66	**9.3**	**1.5**	**1.2**	**1.4**	**16.0**	**9.7**	**15**	**1.0**	**0.83**	**17.0**	**5.0**	**3.5**	695,238	78-93-3	2-Butanone (MEK)
<0.31	<0.32	<0.30	<0.30	<0.28	<0.26	<0.26	<0.31	<0.28	<0.28	<0.31	<0.29	<0.33	NA	156-59-2	cis-1,2-Dichloroethene
<1.2	<1.2	<1.1	<1.1	**5.4**	**21**	**6.8**	**7.4**	<1.0	<1.0	**9.4**	**4.6**	<1.2	9,733.33	141-78-6	Ethyl Acetate
<0.46	<0.46	<0.44	<0.44	**5.1**	**18**	**11**	**1.2**	**0.65**	<0.40	**0.5**	**5.9**	<0.48	97,333	110-54-3	n-Hexane
0.33	**3.3**	**3.0**	**1.3**	**5.0**	**1.0**	**0.69**	**1.2**	**1.3**	**26.0**	**0.54**	**1.0**	<0.31	16.28	67-66-3	Chloroform
<0.28	<0.28	<0.27	<0.27	**42**	**0.54**	**0.41**	<0.28	<0.25	<0.25	**0.48**	**0.42**	<0.29	278,095	109-99-9	Tetrahydrofuran (THF)
<0.25	<0.25	<0.24	<0.24	<0.22	**0.41**	<0.21	<0.24	<0.22	<0.22	<0.24	<0.23	<0.26	38.00	107-06-2	1,2-Dichloroethane
<0.28	<0.28	<0.27	<0.26	<0.25	<0.23	<0.23	<0.27	<0.24	**0.24**	<0.27	<0.25	<0.29	695,238	71-55-6	1,1,1-Trichloroethane
<0.32	**0.43**	**0.39**	**0.41**	**0.76**	**1.9**	**1.5**	**2.1**	**0.31**	<0.28	**0.4**	**0.64**	**0.58**	130.00	71-43-2	Benzene
<0.31	<0.31	<0.30	<0.30	<0.28	**0.3**	**0.29**	<0.31	<0.27	<0.27	<0.31	<0.28	<0.32	62.39	56-23-5	Carbon Tetrachloride

SG-11-21	SG-11-15	SG-11-13	SG-11-9	SG-11-5	SG-14.27	SG-14.24	SG-14.21	SG-14-18	SG-14-15	SG-14.12	SG-14.6	SG-14.3	TIER 1 [µg/m³]	CAS no.	פרמטר
<0.63	<0.63	<0.60	<0.60	**65**	**11**	**3.5**	<0.62	**4.5**	<0.55	<0.62	**16**	<0.65	834,286	110-82-7	Cyclohexane
<0.28	<0.28	<0.27	<0.26	<0.25	<0.23	<0.23	<0.27	<0.24	<0.24	<0.27	**0.56**	<0.29	101.18	78-87-5	1,2-Dichloropropane
<0.32	<0.33	<0.31	<0.31	**0.38**	<0.27	<0.27	<0.32	<0.28	<0.28	<0.32	<0.30	<0.33	10.12	75-27-4	Bromodichloromethane
<0.30	<0.30	<0.29	<0.29	**0.35**	**1.2**	**1.1**	<0.30	<0.26	<0.26	<0.30	<0.28	**50**	200.00	79-01-6	Trichloroethene
0.42	**1.3**	<0.25	<0.25	<0.23	<0.22	<0.22	<0.26	<0.23	<0.23	**0.96**	<0.24	**2.2**	74.87	123-91-1	1,4-Dioxane
<0.79	<0.80	<0.76	<0.76	<0.71	<0.67	<0.66	<0.79	<0.70	<0.70	<0.78	<0.73	<0.83	97,333	80-62-6	Methyl Methacrylate
0.97	**2.6**	**2.3**	**2.5**	**2.9**	**130**	**17**	**1.7**	**1.7**	**0.67**	**0.57**	**3.4**	**0.37**	NA	142-82-5	n-Heptane
<0.35	<0.35	<0.33	<0.33	<0.31	<0.29	<0.29	<0.34	<0.31	<0.31	<0.34	<0.32	<0.36	NA	10061-01-5	cis-1,3-Dichloropropene
<0.30	**0.4**	**0.34**	<0.29	<0.27	**5.5**	**0.79**	**1.1**	<0.27	<0.27	**0.37**	<0.28	<0.32	417,143	108-10-1	4-Methyl-2-pentanone
<0.46	<0.46	<0.44	<0.44	<0.41	<0.39	<0.38	<0.46	<0.40	<0.40	<0.45	<0.42	<0.48	N/A	10061-02-6	trans-1,3-Dichloropropene
<0.23	<0.23	<0.22	<0.22	<0.20	<0.19	<0.19	<0.22	<0.20	<0.20	<0.22	<0.21	<0.23	23.40	79-00-5	1,1,2-Trichloroethane
1.7	**3.5**	**3.7**	**4.1**	**14**	**50**	**32**	**8**	**4.4**	**7.1**	**2.1**	**51**	**2.4**	30,000	108-88-3	Toluene
<0.28	**0.73**	<0.27	<0.26	<0.25	<0.23	<0.23	**2.7**	<0.24	<0.24	**2.2**	<0.25	**0.4**	4,171	591-78-6	2-Hexanone
<0.29	<0.30	<0.28	<0.28	<0.26	<0.25	<0.24	<0.29	<0.26	<0.26	<0.29	<0.27	<0.30	NA	124-48-1	Dibromochloromethane
<0.26	<0.26	<0.25	<0.25	<0.23	<0.22	<0.22	<0.26	<0.23	<0.23	<0.26	<0.24	<0.27	0.62	106-93-4	1,2-Dibromoethane
<0.30	<0.31	<0.29	<0.29	**29**	**30**	**24**	**0.61**	**8.7**	**0.45**	**0.49**	**43**	**0.38**	NA	123-86-4	n-Butyl Acetate
<0.50	**0.64**	**1.3**	**0.66**	**1.3**	**6.6**	**2.8**	**1.5**	<0.44	**0.47**	**0.97**	**1.5**	**1**	NA	111-65-9	n-Octane
<0.29	<0.29	<0.28	**0.56**	<0.26	**2.3**	**2**	<0.29	<0.25	**0.27**	**4**	**0.28**	**14**	2,100	127-18-4	Tetrachloroethene
<0.30	<0.30	<0.29	<0.28	<0.26	<0.25	<0.25	<0.29	<0.26	<0.26	<0.29	<0.27	<0.31	6,952	108-90-7	Chlorobenzene
0.51	**1.2**	**1.3**	**1.5**	**3.4**	**2**	**1.2**	**1.1**	**0.71**	**1.3**	**0.5**	**0.92**	**0.59**	149.74	100-41-4	Ethylbenzene
0.99	**4**	**4.3**	**5.1**	**12**	**6.3**	**4**	**4.3**	**2**	**4.3**	**2.2**	**3.4**	**2.1**	N/A	179601-23-1	m,p-Xylenes
<0.46	<0.46	<0.44	<0.44	<0.41	<0.39	<0.38	<0.46	<0.40	<0.40	<0.45	<0.42	<0.48	340.33	75-25-2	Bromoform

SG-11-21	SG-11-15	SG-11-13	SG-11-9	SG-11-5	SG-14.27	SG-14.24	SG-14.21	SG-14-18	SG-14-15	SG-14.12	SG-14.6	SG-14.3	TIER 1 [µg/m³]	CAS no.	פרמטר
0.54	**0.46**	**0.77**	**0.53**	**1.6**	**1.5**	**0.82**	**0.4**	**0.67**	**1.2**	<0.35	**0.4**	<0.37	10,000	100-42-5	Styrene
0.37	**1.3**	**1.7**	**1.8**	**4.2**	**2.5**	**1.5**	**1.3**	**0.54**	**1.3**	**0.97**	**1**	**0.83**	13,905	95-47-6	o-Xylene
<0.37	<0.38	**1.3**	<0.36	**0.6**	**5**	**3.9**	**5.3**	<0.33	**0.51**	**4.5**	**2.4**	**5.8**	2,781	111-84-2	n-Nonane
<0.31	<0.31	<0.30	<0.30	<0.28	<0.26	<0.26	<0.31	<0.27	<0.27	<0.31	<0.28	<0.32	6.45	79-34-5	1,1,2,2-Tetrachloroethane
<0.32	<0.33	<0.31	<0.31	**0.34**	<0.27	<0.27	<0.32	<0.28	<0.28	<0.32	<0.30	<0.33	55,619	98-82-8	Cumene
<0.34	<0.35	<0.33	<0.33	<0.31	**38**	**17**	<0.34	<0.30	<0.30	<0.34	**2.3**	<0.36	NA	80-56-8	alpha-Pinene
<0.32	**0.39**	**0.43**	**0.44**	**1.1**	**0.56**	**0.39**	**0.48**	<0.28	**0.29**	**0.35**	**0.31**	**0.45**	139,048	103-65-1	n-Propylbenzene
<0.35	**0.55**	**0.66**	**0.74**	**1.9**	**0.64**	**0.39**	**0.45**	<0.31	**0.47**	**0.57**	<0.33	**0.44**	NA	622-96-8	4-Ethyltoluene
<0.32	**0.61**	**0.73**	**0.61**	**2.2**	**0.65**	**0.4**	**0.42**	<0.28	**0.48**	**0.7**	<0.30	**0.35**	8,343	108-67-8	1,3,5-Trimethylbenzene
0.4	**2.7**	**3.3**	**2.9**	**11**	**2.3**	**1.2**	**1.4**	**0.6**	**2**	**2.8**	**0.8**	**1.2**	8,343	95-63-6	1,2,4-Trimethylbenzene
<0.50	<0.51	<0.48	<0.48	<0.45	<0.42	<0.42	<0.50	<0.44	<0.44	<0.50	<0.46	<0.52	7.64	100-44-7	Benzyl Chloride
<0.33	<0.34	<0.32	<0.32	<0.30	<0.28	<0.28	<0.33	<0.29	<0.29	<0.33	<0.31	<0.35	NA	541-73-1	1,3-Dichlorobenzene
<0.34	<0.35	<0.33	<0.33	<0.31	<0.29	<0.28	<0.34	<0.30	<0.30	<0.34	<0.32	<0.36	34.03	106-46-7	1,4-Dichlorobenzene
<0.33	<0.33	<0.32	<0.32	<0.29	<0.28	<0.27	<0.33	<0.29	<0.29	<0.33	<0.30	<0.34	27,810	95-50-1	1,2-Dichlorobenzene
<0.46	**2.6**	**0.66**	**0.62**	**1.6**	**4.7**	**3.2**	**1.2**	**0.55**	**1.1**	<0.45	**0.68**	<0.48	NA	5989-27-5	d-Limonene
<0.42	<0.42	<0.40	<0.40	<0.37	<0.35	<0.35	<0.42	<0.37	<0.37	<0.41	<0.39	<0.44	0.06	96-12-8	1,2-Dibromo-3-chloropropane
<0.54	<0.55	<0.52	<0.52	<0.48	<0.46	<0.45	<0.54	<0.48	<0.48	<0.54	<0.50	<0.57	278.10	120-82-1	1,2,4-Trichlorobenzene
<0.54	<0.55	**0.8**	<0.52	**1.1**	**0.9**	<0.45	**0.75**	<0.48	<0.48	**1.1**	<0.50	**0.7**	11.01	91-20-3	Naphthalene
<0.46	<0.46	<0.44	<0.44	<0.41	<0.39	<0.38	<0.46	<0.40	<0.40	<0.45	<0.42	<0.48	17.02	87-68-3	Hexachlorobutadiene

(1) Tier 1 Risk Based Target Level (RBTL) - Residential Land Use (משרד להגנת הסביבה, ינואר 2020).

4.3 ממצאי חקירת מי התהום

בטבלאות להלן מוצגים ממצאי השדה ותוצאות אנליזת המים בבארות הניטור בשטח הפוליגון המערבי. חריגות מערכי תקן מי שתייה מסומנות באדום. דוחות מעבדה מלאים מצורפים בנספח 1, טפסי שדה ומשמורת מצורפים בנספח 3.

4.3.1 ממצאי שדה ניטור מי תהום

באר ניטור GW-11 הותקנה בתאריכים 21-23/04/2020 ובאר ניטור GW-14 הותקנה בתאריכים 22-23/04/2020 באמצעות צוות מוסמך של חברת KTE ובפיקוח גיאולוגי מטעם אקולוג. יומן שדה מפורט מצורף בנספח 3. להלן עיקרי ממצאי השדה:

- בעת ביצוע הקדח בבאר GW-11 נתגלה ריח חריף שאופייני לתרכובות דלקים בעומק של 3 מ' מתחת לפני הקרקע ובעומק 4.5 מ' נתגלתה קרקע רוויה, בעלת ריח אופייני לתרכובות דלקים וצבע אפור.
- בעת ביצוע הקדח בבאר GW-14 נתגלה ריח חריף שאופייני לתרכובות דלקים בעומק של 2.5 מ' מתחת לפני הקרקע, בעומקים 3-5 מ' נתגלתה קרקע רוויה בצבע אפור-שחור.

טבלה 12: תוצאות אנליזת המים בבארות הניטור בפוליגון המערבי חריגות מערכי תקן מי שתייה מסומנות באדום. בטבלה להלן מוצגים רק ערכים מעל סף הגילוי האנליטי. תוצאות מלאות מצורפות בנספח 4.

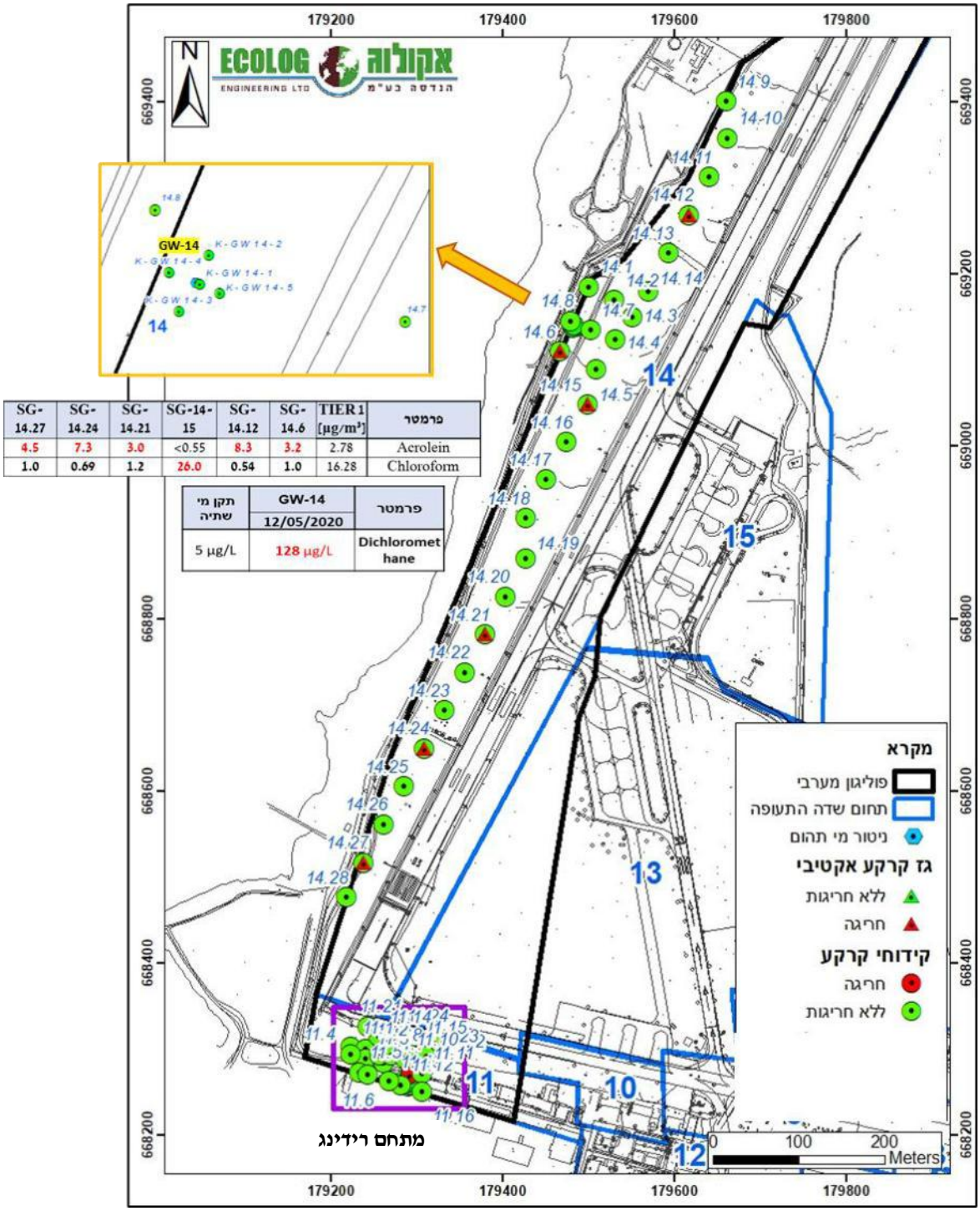
פרמטר	סף הכימות (LOR)	יחידות מידה	שם הבאר ותאריך דיגום		תקן מי שתיה(1)
			GW-11	GW-14	
			06/05/2020	12/05/2020	
מתכות					
Aluminium	0.01	mg/L	**0.227**	0.053	0.2
Barium	0.0005	mg/L	0.062	0.0418	1
Boron	0.01	mg/L	0.13	0.124	1
Calcium	0.005	mg/L	58.7	79.8	NA
Chromium	0.001	mg/L	0.0031	0.0013	0.05
Copper	0.001	mg/L	0.0136	0.0047	1.4
Iron	0.002	mg/L	0.594	0.0423	1
Lithium	0.001	mg/L	0.0056	0.009	NA
Magnesium	0.003	mg/L	15.6	33.9	NA
Manganese	0.0005	mg/L	**0.299**	0.0884	0.2
Mercury	0.002	µg/L	0.0059	0.0021	1
Molybdenum	0.002	mg/L	0.0174	0.0054	0.07
Potassium	0.015	mg/L	5.77	14.7	NA
Silicon	0.01	mg/L	5.6	3.2	NA
Sodium	0.03	mg/L	121	197	NA
Strontium	0.001	mg/L	0.694	0.845	NA
Sulphur	0.06	mg/L	31.4	29.8	NA
Titanium	0.001	mg/L	0.0087	0.0023	NA
Zinc	0.002	mg/L	0.0202	0.0205	5
Halogenated Volatile Organic Compounds					
1.1.2-Trichloroethane	0.2	µg/L	0.85	0.52	5

תקן מי שתיה[1]	שם הבאר ותאריך דיגום		יחידות מידה	סף הכימות (LOR)	פרמטר
	GW-14	GW-11			
	12/05/2020	06/05/2020			
NA	1.53	3.15	µg/L	0.2	1.1.2.2-Tetrachloroethane
NA	<0.10	0.12	µg/L	0.1	Bromodichloromethane
80	16.8	20.1	µg/L	0.1	Chloroform
NA	<1.0	1.4	µg/L	1	Chloromethane
5	**128**	**155**	µg/L	6	Dichloromethane
100	16.8	20.2	µg/L	0.5	Sum of 4 Trihalomethanes
100	16.8	20.2	µg/L	0.25	Sum of 4 Trihalomethanes (M1)
Non-Halogenated Volatile Organic Compounds					
40	<0.20	1.16	µg/L	0.2	Methyl tert-Butyl Ether (MTBE)
NA	<1.0	1.6	µg/L	1	sec-Butylbenzene
Polycyclic Aromatics Hydrocarbons (PAHs)					
	<0.030	*	µg/L	0.03	Naphthalene
	<0.19	*	µg/L	0.19	Sum of 16 PAH
	<0.20	*	µg/L	0.2	Sum of 17 PAH

[1] תקנות בריאות העם (איכותם התברואית של מי־שתיה ומיתקני מי שתיה), התשע״ג-2013

* לא ניתן לכמת רכיב זה בדגימה מסיבה אנליטית (complicated matrix).

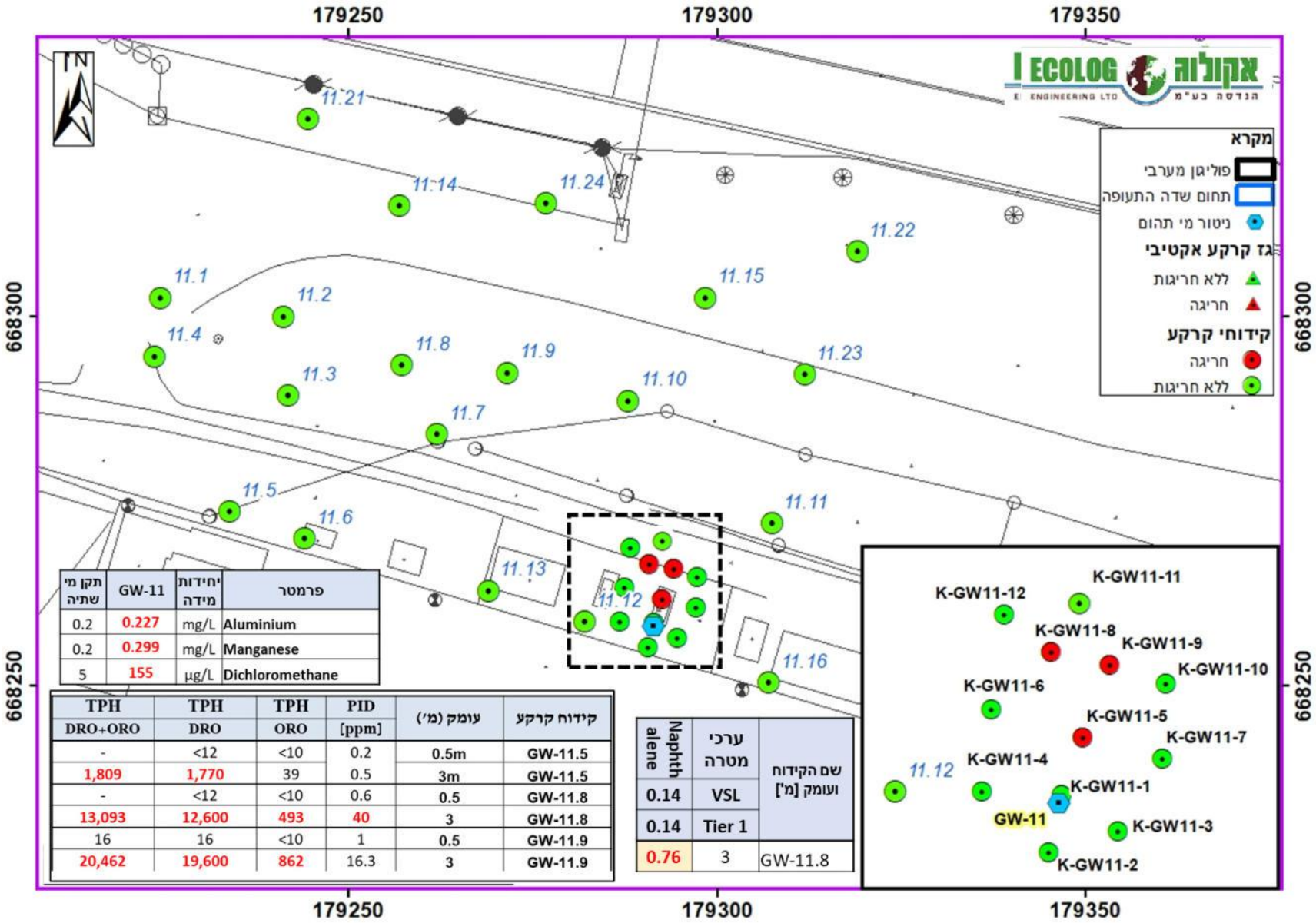
4.4 סיכום ממצאי החקירה על גבי מפות



SG-14.27	SG-14.24	SG-14.21	SG-14-15	SG-14.12	SG-14.6	TIER 1 [µg/m³]	פרמטר
4.5	7.3	3.0	<0.55	8.3	3.2	2.78	Acrolein
1.0	0.69	1.2	26.0	0.54	1.0	16.28	Chloroform

תקן מי שתיה	GW-14 12/05/2020	פרמטר
5 µg/L	128 µg/L	Dichloromethane

איור 8: סיכום ממצאי החקירה על גבי מפת הפוליגון המערבי - תא 14



תקן מי שתיה	GW-11	יחידות מידה	פרמטר
0.2	0.227	mg/L	Aluminium
0.2	0.299	mg/L	Manganese
5	155	µg/L	Dichloromethane

TPH DRO+ORO	TPH DRO	TPH ORO	PID [ppm]	עומק (מ')	קידוח קרקע
-	<12	<10	0.2	0.5m	GW-11.5
1,809	1,770	39	0.5	3m	GW-11.5
-	<12	<10	0.6	0.5	GW-11.8
13,093	12,600	493	40	3	GW-11.8
16	16	<10	1	0.5	GW-11.9
20,462	19,600	862	16.3	3	GW-11.9

Naphthalene	ערכי מטרה	שם הקידוח ועומק [מ']
0.14	VSL	
0.14	Tier 1	
0.76	3	GW-11.8

איור 9: סיכום ממצאי החקירה על גבי מפת הפוליגון המערבי - תא 11

5 סיכום והמלצות

סקר קרקע וגז קרקע אקטיבי וחקירת מי תהום בוצעו בחלקו המערבי (הפוליגון המערבי) של אתר שדה דב בין החודשים אפריל - יולי 2020. חקירת הקרקע וגז הקרקע בוצעה בין התאריכים 23-25/06/2020 ו- 07/04/2020, קידוחי ניטור מי תהום בוצעו בחודשים אפריל – מאי 2020. לאחר קבלת ממצאי החקירה הראשונית ובאישור מזמין העבודה והמשרד להגנת הסביבה, בוצע בחודש יוני 2020 סבב ראשון של קידוחי קרקע לתיחום, אשר כלל ביצוע של 18 קידוחים. בהתאם לממצאים שהתקבלו מקידוחי התיחום, בוצע בחודש יולי 2020 סבב שני של קידוחי קרקע לתיחום, אשר כלל ביצוע 5 קידוחים נוספים, עד להשלמת התיחום האופקי והאנכי של מוקדי הזיהום בפוליגון המערבי.

החקירה הראשונית כללה ביצוע של 48 קידוחי קרקע לעומק של 3-4.5 מ׳ מתחת לפני הקרקע, 16 קידוחי גז קרקע לעומק של 1.5 מ׳ ושני (2) קידוחי ניטור למי התהום בתאי שטח 11 ו-14 :

- ממצאי דיגום הקרקע מראים כי באנליזות ה-TPH ומתכות שבוצעו בכל 48 קידוחי הקרקע במסגרת החקירה הראשונית בתאי שטח 11 ו-14 לא נתגלו כלל ריכוזים חורגים מערכי המטרה, למעט קידוח 11.2, בו נתגלה ריכוז זירקוניום חורג של 18.7 מק״ג/ק״ג (ערך VSL הינו 6.26 מק״ג/ק״ג). ממצאי הסקר ההיסטורי (סימוכין 3,4) אינם מצביעים על שימושים היסטוריים בזרקוניום באזור זה, בנוסף ריכוז הזירקוניום שנמדד בקידוח הרקע, שבוצע מחוץ לשדה דב, הינו חורג מערכי המטרה גם כן (9.5 מ״ג/ק״ג) וכן נמדדו מספר ערכים חורגים בריכוזי הזירקוניום באזורים שונים בשדה דב, מחוץ לתחום הפוליגון המערבי, אשר מצביעים על כך שלא מדובר במוקד ספציפי. בהתאם לכך הערכתינו היא כי הזירקוניום בקידוח 11.2 איננו ממקור אנטרופוגני אלא ריכוז רקע טבעי בקרקע. ממצאי הסקר ההיסטורי, שאינו מצביע על שימוש בזרקוניום באתר, מחזקים הערכה זו.
- בדיגום גז הקרקע ניתן לראות כי בחמישה (5) קידוחי גז קרקע (קידוחים SG-14.6, SG-14.12, SG-14.21, SG-24 ו- SG-27) נתגלו ריכוזים חורגים של המזהם אקרוליין (Acrolein) בטווח ריכוזים של 3.2 – 8.3 מק״ג/מ״ק כאשר ערך המטרה הינו 2.78 מק״ג/מ״ק. בנוסף, בקידוח גז הקרקע SG-14.15 נתגלה ריכוז חורג של המזהם כלורופורם בריכוז של 26 מק״ג/מ״ק כאשר ערך המטרה הינו 16.28 מק״ג/מ״ק. לצורך תיחום הזיהום שנתגלה, בוצעו 6 קידוחי קרקע במיקומם של קידוחי גז הקרקע בהם נתגלו החריגות ונלקחו דגימות קרקע לאנליזת VOC ו- SVOC. לא נתגלו כלל חריגות בריכוזי המזהמים עבור ששת (6) קידוחי הקרקע שבוצעו לצורך תיחום. אין צורך בהמשך פעולות חקירה במוקד זה.
- בקידוח ניטור מי התהום שבוצע בתא 11 (GW-11) נתגלו ריכוזים גבוהים וקרובים לערכי תקן מי שתייה עבור אלומיניום (0.227 מ״ג/ל כאשר התקן הינו 0.2 מ״ג/ל) ומנגן (0.299 מ״ג/ל כאשר התקן הינו 0.2 מ״ג/ל) וערכים חורגים עבורדיכלרולומתאן (Dichloromethane) (155 מק״ג/ל כאשר התקן הינו 5 מק״ג/ל). בקידוח ניטור מי התהום שבוצע בתא 14 (GW-14) נתגלה ריכוז חורג מערכי תקן מי שתייה עבור דיכלרולומתאן בלבד (128 מק״ג/ל כאשר התקן הינו 5 מק״ג/ל). על פי ממצאי הסקר ההיסטורי (סימוכין 3,4) קידוחים GW-11 ו- GW-14 ממוקמים באזור מגורי חיילים ובאזור מסלול התעופה החדש בהתאמה, בשני אזורים אלה לא מדווח בסקר ההיסטורי על שימוש בדיכלורומתאן. אף על פי שאנליזות המים בקידוחים אלה לא הצביעו על נוכחות זיהום מסוג תרכובות דלקים, ממצאי השדה בעת התקנת הבארות העלו חשד לנוכחות זיהום מסוג זה (נתגלה ריח חזק) לכן הוחלט לבצע קידוחי קרקע סביב קידוחי ניטור מי התהום.

- בסך הכל בוצעו 17 קידוחי קרקע נוספים לתיחום הזיהום בקרקע בשני מוקדים פוטנציאלים: 12 קידוחי קרקע לתיחום סביב קידוח GW-11 וחמישה (5) קידוחי קרקע לתיחום סביב קידוח GW-14. בכל הקידוחים סביב קידוח GW-14 לא נתגלו ריכוזים חורגים בממצאי השדה ובאנליזות TPH, VOC ו-SVOC שבוצעו, ריכוז הדיכלורומתאן בדוגמאות הקרקע היה נמוך מסף הכימות.

  בשלושה קידוחי קרקע בסביבת קידוח GW-11 (GW-11.5, GW-11.8, GW-11.9) נתגלו ריכוזי TPH חורגים בטווח ריכוזים של 1,809 – 20,462 מ״ג/ק״ג כאשר ערך הסף הינו 350 מ״ג/ק״ג. ריכוזי ה-TPH החורגים נתגלו בעומק 0.5 מ׳ ובתחתית הקידוח בעומק 3 מ׳. לא ניתן היה להעמיק את קידוחי הקרקע בשל הגעה למים. בנוסף, בקידוח GW-11.8 נתגלה ריכוז חורג של Naphthalene בלבד באנליזת ה-VOC ו-SVOC (ריכוז של 0.76 מ״ג/ק״ג כאשר ערך המטרה VSL וערך TIER1 למגורים הינו 0.14 מ״ג/ק״ג), ריכוז הדיכלורומתאן היה נמוך מסף הכימות. הושלם התיחום האופקי של מוקד זיהום זה.

לסיכום, על פי ממצאי החקירה **נדרש שיקום קרקע במוקד אחד בלבד בשטחו של הפוליגון המערבי**, בסביבת קידוח GW-11. קידוחי התיחום שבוצעו משלימים את התיחום האופקי של מוקד הזיהום. תיחום אנכי בוצע בעומק 3 מ׳ עם הגעה לשכבת מים. בנוסף, **אנו ממליצים לבצע מיגון למבנים המתוכננים להיבנות במוקדים בהם נתגלו חריגות בריכוזי גז הקרקע** (קידוחים SG-14.6, SG-14.12, SG-14.21, SG-24 ו- SG-27).

נספח 1

דוחות מעבדה מלאות

אנליזות גזי קרקע

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www.alsglobal.com

LABORATORY REPORT

May 8, 2020

Eyal Shvartz
Dr. Katz Technologies & Enterprises (KTE)
HaMeginim Ave. 53
Haifa, ISR-HA 33265

RE: Sde Dov / KTE-26-20-Simi

Dear Eyal:

Enclosed are the results of the samples submitted to our laboratory on April 23, 2020. For your reference, these analyses have been assigned our service request number P2002238.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 4:24 pm, May 08, 2020

Sue Anderson
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: Dr. Katz Technologies & Enterprises (KTE) Service Request No: P2002238
Project: Sde Dov / KTE-26-20-Simi

CASE NARRATIVE

The samples were received intact under chain of custody on April 23, 2020 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criteria were exceeded for acrolein, butyl acetate, alpha-pinene and benzyl chloride in the Continuing Calibration Verification (CCV) analyzed on May 8, 2020. In addition the upper control criterion was exceeded also for acrolein in the Laboratory Control Sample. However, the reported sample results associated with the CCV and LCS in question were for dilutions of other compounds; therefore, the results were not affected. No corrective action was necessary.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.1 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-007
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Dr. Katz Technologies & Enterprises (KTE) Service Request: P2002238

Project ID: Sde Dov / KTE-26-20-Simi

Date Received: 4/23/2020

Time Received: 09:45

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-15 - VOC Cans
SG-2.8	P2002238-001	Air	4/20/2020	10:15	1SC00126	-1.63	6.27	X
AB	P2002238-002	Air	4/20/2020	00:00	1SS00085	-0.24	5.12	X
SG-2.12	P2002238-003	Air	4/20/2020	12:00	1SC00803	-2.05	5.43	X
SG-2.13	P2002238-004	Air	4/20/2020	11:25	1SC00192	-0.15	5.46	X
SG-2.6	P2002238-005	Air	4/20/2020	11:40	1SC01379	-0.15	6.61	X
SG-2.19	P2002238-006	Air	4/20/2020	13:28	1SC00768	-2.77	6.10	X
SG-13.4	P2002238-007	Air	4/20/2020	13:30	1SC00317	-2.57	6.07	X
SG-13.14	P2002238-008	Air	4/20/2020	14:30	1SS00058	-1.58	5.87	X
SG-13.10	P2002238-009	Air	4/21/2020	10:00	1SS00935	-1.75	5.41	X
SG-15.1	P2002238-010	Air	4/21/2020	10:40	1SC00008	-1.77	6.53	X
SG-15.30	P2002238-011	Air	4/21/2020	11:10	1SS00988	-2.02	5.42	X
SG-15.21	P2002238-012	Air	4/21/2020	12:47	1SC01343	-1.34	5.63	X
SG-15.18	P2002238-013	Air	4/21/2020	12:58	1SC00131	-1.96	6.18	X
SG-15.36	P2002238-014	Air	4/21/2020	13:47	1SS00900	-2.01	5.47	X
SG-14.6	P2002238-015	Air	4/21/2020	14:25	1SS00507	-0.20	7.61	X
SG-6.10	P2002238-016	Air	4/21/2020	14:59	1SC00373	-0.03	8.08	X
SG-6.13	P2002238-017	Air	4/21/2020	15:35	1SS00896	-1.90	5.73	X
AB	P2002238-018	Air	4/21/2020	00:00	1SC00133	-0.64	6.05	X

Air - Chain of Custody Record & Analytical Service Request

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Simi Valley, California 93065
Phone (805) 526-7161

Page _____ of _____

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. P200238

Company Name & Address (Reporting Information): KTE

Project Name: SDE PDV

Project Number: KTE-26-20-Simi

Project Manager:

P.O. # / Billing Information:

Phone:

Fax:

Email Address for Result Reporting:

Sampler (Print & Sign):

ALS Contact:

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	Tx/Xi		Comments e.g. Actual Preservative or specific instructions
SG-2.3	1	2/14/22	[illegible]	[illegible]	[illegible]	-29	3	1L	✓		
AB	2	[illegible]		[illegible]	[illegible]			1L	✓		
SG-2.11	3	[illegible]	[illegible]	[illegible]	[illegible]	-29	-4	1L	✓		
SG-2.13	4	[illegible]	[illegible]	[illegible]	[illegible]	-29	-2	1L	✓		
SG-2.6	5	[illegible]	[illegible]	[illegible]	[illegible]	-28	-3	1L	✓		
SG-2.14	6	[illegible]	[illegible]	[illegible]	[illegible]	-28	-4	1L	✓		
SG-13.4	7	[illegible]	[illegible]	[illegible]	[illegible]	-29	-4	1L	✓		
SG-13.10	8	[illegible]	[illegible]	[illegible]	[illegible]	-28	-4	1L	✓		

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[illegible]	[illegible]				
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: 4-28-22	Time: 0915

Cooler / Blank Temperature ____ °C

Air - Chain of Custody Record & Analytical Service Request

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Page ____ of ____

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. P002238

Company Name & Address (Reporting Information): KTE Co

Project Name: JDE POV

Project Number: [illegible]

Project Manager:

P.O. # / Billing Information:

Phone:

Fax:

Email Address for Result Reporting:

Sampler (Print & Sign):

ALS Contact:

Analysis Method: TO-15

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	TO-15		Comments e.g. Actual Preservative or specific instructions
[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
[illegible]	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
[illegible]	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
[illegible]	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	✓		
AB	18	[illegible]		[illegible]	[illegible]			[illegible]	✓		

Report Tier Levels - please select

Tier I - Results (Data is not qualified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: ____ Units: ____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[illegible]	[illegible]				
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: 4-23	Time: 08

Cooler / Blank Temperature ____ °C

ALS Environmental
Sample Acceptance Check Form

Client: Dr. Katz Technologies & Enterprises (KTE) Work order: P2002238
Project: Sde Dov / KTE-26-20-Simi
Sample(s) received on: 4/23/20 Date opened: 4/23/20 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2002238-001.01	1.0 L Source Can					
P2002238-002.01	1.0 L Source Silonite Canister					
P2002238-003.01	1.0 L Source Can					
P2002238-004.01	1.0 L Source Can					
P2002238-005.01	1.0 L Source Can					
P2002238-006.01	1.0 L Source Can					
P2002238-007.01	1.0 L Source Can					
P2002238-008.01	1.0 L Source Silonite Canister					
P2002238-009.01	1.0 L Source Silonite Canister					
P2002238-010.01	1.0 L Source Can					
P2002238-011.01	1.0 L Source Silonite Canister					
P2002238-012.01	1.0 L Source Can					
P2002238-013.01	1.0 L Source Can					
P2002238-014.01	1.0 L Source Silonite Canister					
P2002238-015.01	1.0 L Source Silonite Canister					

Explain any discrepancies: (include lab sample ID numbers):
Canister ID for sample -007 is 1SC00317 and listed 1SC00132 on the COC.

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS Environmental
Sample Acceptance Check Form

Client: Dr. Katz Technologies & Enterprises (KTE) Work order: P2002238

Project: Sde Dov / KTE-26-20-Simi

Sample(s) received on: 4/23/20 Date opened: 4/23/20 by: ADAVID

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2002238-016.01	1.0 L Source Can					
P2002238-017.01	1.0 L Source Silonite Canister					
P2002238-018.01	1.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers):

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.8** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-001

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00126

Initial Pressure (psig): -1.63 Final Pressure (psig): 6.27

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**2.9**	2.1	0.52	**1.7**	1.2	0.30	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.5**	2.1	0.35	**0.50**	0.43	0.070	
74-87-3	Chloromethane	**1.6**	2.1	0.34	**0.77**	1.0	0.17	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.34	2.1	0.34	<0.048	0.30	0.048	
75-01-4	Vinyl Chloride	<0.23	2.2	0.23	<0.089	0.85	0.089	
106-99-0	1,3-Butadiene	<0.35	2.1	0.35	<0.16	0.96	0.16	
74-83-9	Bromomethane	**0.75**	2.2	0.30	**0.19**	0.56	0.076	**J**
75-00-3	Chloroethane	**0.32**	2.2	0.26	**0.12**	0.82	0.10	**J**
64-17-5	Ethanol	**130**	21	1.5	**72**	11	0.79	
75-05-8	Acetonitrile	**1.8**	2.1	0.52	**1.1**	1.3	0.31	**J**
107-02-8	Acrolein	**8.2**	4.0	0.60	**3.6**	1.7	0.26	
67-64-1	Acetone	**50**	21	4.8	**21**	8.9	2.0	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.6**	2.1	0.32	**0.29**	0.38	0.058	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**5.0**	8.4	0.88	**2.0**	3.4	0.36	**J**
107-13-1	Acrylonitrile	<0.44	2.1	0.44	<0.20	0.98	0.20	
75-35-4	1,1-Dichloroethene	<0.30	2.2	0.30	<0.075	0.55	0.075	
75-09-2	Methylene Chloride	**0.79**	2.1	0.60	**0.23**	0.61	0.17	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.29	2.2	0.29	<0.092	0.69	0.092	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.66**	2.2	0.30	**0.087**	0.28	0.040	**J**
75-15-0	Carbon Disulfide	**9.4**	4.4	0.64	**3.0**	1.4	0.21	
156-60-5	trans-1,2-Dichloroethene	<0.30	2.2	0.30	<0.075	0.55	0.075	
75-34-3	1,1-Dichloroethane	<0.31	2.2	0.31	<0.077	0.54	0.077	
1634-04-4	Methyl tert-Butyl Ether	<0.25	2.2	0.25	<0.070	0.60	0.070	
108-05-4	Vinyl Acetate	**24**	22	4.8	**6.9**	6.1	1.4	
78-93-3	2-Butanone (MEK)	**11**	4.4	0.44	**3.8**	1.5	0.15	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.8** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-001

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00126

Initial Pressure (psig): -1.63 Final Pressure (psig): 6.27

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.30	2.1	0.30	<0.076	0.53	0.076	
141-78-6	Ethyl Acetate	<1.1	4.4	1.1	<0.31	1.2	0.31	
110-54-3	n-Hexane	<0.44	2.2	0.44	<0.12	0.61	0.12	
67-66-3	Chloroform	<0.28	2.2	0.28	<0.058	0.44	0.058	
109-99-9	Tetrahydrofuran (THF)	**0.64**	2.2	0.27	**0.22**	0.75	0.091	**J**
107-06-2	1,2-Dichloroethane	<0.24	2.2	0.24	<0.058	0.53	0.058	
71-55-6	1,1,1-Trichloroethane	<0.26	2.2	0.26	<0.048	0.40	0.048	
71-43-2	Benzene	**0.43**	2.1	0.31	**0.14**	0.66	0.096	**J**
56-23-5	Carbon Tetrachloride	<0.30	2.1	0.30	<0.047	0.34	0.047	
110-82-7	Cyclohexane	<0.60	4.4	0.60	<0.17	1.3	0.17	
78-87-5	1,2-Dichloropropane	<0.26	2.2	0.26	<0.057	0.47	0.057	
75-27-4	Bromodichloromethane	<0.31	2.2	0.31	<0.046	0.32	0.046	
79-01-6	Trichloroethene	**0.91**	2.2	0.29	**0.17**	0.40	0.054	**J**
123-91-1	1,4-Dioxane	**1.1**	2.2	0.25	**0.31**	0.60	0.070	**J**
80-62-6	Methyl Methacrylate	<0.76	4.4	0.76	<0.19	1.1	0.19	
142-82-5	n-Heptane	**3.3**	2.2	0.34	**0.80**	0.53	0.083	
10061-01-5	cis-1,3-Dichloropropene	<0.33	2.1	0.33	<0.073	0.46	0.073	
108-10-1	4-Methyl-2-pentanone	**0.55**	2.1	0.29	**0.13**	0.52	0.071	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.44	2.1	0.44	<0.097	0.47	0.097	
79-00-5	1,1,2-Trichloroethane	<0.22	2.2	0.22	<0.040	0.40	0.040	
108-88-3	Toluene	**15**	2.2	0.26	**4.1**	0.57	0.069	
591-78-6	2-Hexanone	**1.1**	2.2	0.26	**0.26**	0.53	0.064	**J**
124-48-1	Dibromochloromethane	<0.28	2.2	0.28	<0.033	0.25	0.033	
106-93-4	1,2-Dibromoethane	<0.25	2.2	0.25	<0.032	0.28	0.032	
123-86-4	n-Butyl Acetate	**1.1**	2.2	0.29	**0.22**	0.46	0.061	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.8** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-001

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00126

Initial Pressure (psig): -1.63 Final Pressure (psig): 6.27

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.48	2.2	0.48	<0.10	0.46	0.10	
127-18-4	Tetrachloroethene	<0.28	2.1	0.28	<0.041	0.31	0.041	
108-90-7	Chlorobenzene	<0.28	2.2	0.28	<0.062	0.47	0.062	
100-41-4	Ethylbenzene	**1.8**	2.2	0.30	**0.42**	0.50	0.069	**J**
179601-23-1	m,p-Xylenes	**6.0**	4.4	0.56	**1.4**	1.0	0.13	
75-25-2	Bromoform	<0.44	2.2	0.44	<0.043	0.21	0.043	
100-42-5	Styrene	**0.72**	2.1	0.34	**0.17**	0.50	0.081	**J**
95-47-6	o-Xylene	**1.6**	2.2	0.31	**0.36**	0.50	0.071	**J**
111-84-2	n-Nonane	**1.9**	2.2	0.36	**0.36**	0.41	0.068	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.30	2.2	0.30	<0.043	0.31	0.043	
98-82-8	Cumene	<0.31	2.2	0.31	<0.063	0.44	0.063	
80-56-8	alpha-Pinene	<0.33	2.2	0.33	<0.059	0.39	0.059	
103-65-1	n-Propylbenzene	**0.59**	2.2	0.31	**0.12**	0.44	0.063	**J**
622-96-8	4-Ethyltoluene	**0.79**	2.2	0.34	**0.16**	0.44	0.069	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.79**	2.1	0.31	**0.16**	0.43	0.063	**J**
95-63-6	1,2,4-Trimethylbenzene	**3.9**	2.2	0.30	**0.78**	0.44	0.060	
100-44-7	Benzyl Chloride	<0.48	4.4	0.48	<0.093	0.85	0.093	
541-73-1	1,3-Dichlorobenzene	<0.32	2.2	0.32	<0.053	0.36	0.053	
106-46-7	1,4-Dichlorobenzene	<0.33	2.2	0.33	<0.055	0.36	0.055	
95-50-1	1,2-Dichlorobenzene	<0.32	2.2	0.32	<0.053	0.36	0.053	
5989-27-5	d-Limonene	**1.3**	2.2	0.44	**0.23**	0.39	0.079	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.40	2.1	0.40	<0.041	0.22	0.041	
120-82-1	1,2,4-Trichlorobenzene	<0.52	2.2	0.52	<0.070	0.29	0.070	
91-20-3	Naphthalene	**0.73**	2.1	0.52	**0.14**	0.40	0.099	**J**
87-68-3	Hexachlorobutadiene	<0.44	2.1	0.44	<0.041	0.20	0.041	

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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-002

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00085

Initial Pressure (psig): -0.24 Final Pressure (psig): 5.12

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**1.4**	1.8	0.45	**0.84**	1.1	0.26	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	1.8	0.30	**0.49**	0.37	0.060	
74-87-3	Chloromethane	**0.70**	1.8	0.29	**0.34**	0.88	0.14	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.29	1.8	0.29	<0.041	0.26	0.041	
75-01-4	Vinyl Chloride	<0.20	1.8	0.20	<0.076	0.72	0.076	
106-99-0	1,3-Butadiene	<0.30	1.8	0.30	<0.14	0.82	0.14	
74-83-9	Bromomethane	<0.25	1.8	0.25	<0.065	0.48	0.065	
75-00-3	Chloroethane	<0.23	1.8	0.23	<0.086	0.70	0.086	
64-17-5	Ethanol	**250**	18	1.3	**130**	9.5	0.67	
75-05-8	Acetonitrile	**0.81**	1.8	0.45	**0.48**	1.1	0.27	**J**
107-02-8	Acrolein	**1.7**	3.4	0.51	**0.74**	1.5	0.22	**J**
67-64-1	Acetone	**33**	18	4.1	**14**	7.6	1.7	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.8**	1.8	0.28	**0.32**	0.32	0.049	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**37**	7.2	0.75	**15**	2.9	0.31	
107-13-1	Acrylonitrile	<0.38	1.8	0.38	<0.17	0.84	0.17	
75-35-4	1,1-Dichloroethene	<0.25	1.8	0.25	<0.064	0.47	0.064	
75-09-2	Methylene Chloride	**5.6**	1.8	0.51	**1.6**	0.52	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.25	1.8	0.25	<0.079	0.59	0.079	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.90**	1.8	0.26	**0.12**	0.24	0.034	**J**
75-15-0	Carbon Disulfide	**7.4**	3.8	0.55	**2.4**	1.2	0.18	
156-60-5	trans-1,2-Dichloroethene	**3.2**	1.8	0.25	**0.81**	0.47	0.064	
75-34-3	1,1-Dichloroethane	<0.27	1.9	0.27	<0.066	0.47	0.066	
1634-04-4	Methyl tert-Butyl Ether	<0.22	1.8	0.22	<0.060	0.51	0.060	
108-05-4	Vinyl Acetate	<4.1	18	4.1	<1.2	5.3	1.2	
78-93-3	2-Butanone (MEK)	**4.8**	3.8	0.38	**1.6**	1.3	0.13	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-002

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00085

Initial Pressure (psig): -0.24 Final Pressure (psig): 5.12

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.26	1.8	0.26	<0.065	0.46	0.065	
141-78-6	Ethyl Acetate	**59**	3.8	0.96	**16**	1.0	0.27	
110-54-3	n-Hexane	**4.0**	1.8	0.38	**1.1**	0.52	0.11	
67-66-3	Chloroform	**0.26**	1.8	0.24	**0.054**	0.38	0.050	**J**
109-99-9	Tetrahydrofuran (THF)	<0.23	1.9	0.23	<0.078	0.64	0.078	
107-06-2	1,2-Dichloroethane	**0.21**	1.8	0.20	**0.052**	0.46	0.050	**J**
71-55-6	1,1,1-Trichloroethane	<0.23	1.8	0.23	<0.041	0.34	0.041	
71-43-2	Benzene	**1.2**	1.8	0.26	**0.37**	0.57	0.083	**J**
56-23-5	Carbon Tetrachloride	**0.42**	1.8	0.25	**0.068**	0.29	0.040	**J**
110-82-7	Cyclohexane	**21**	3.8	0.51	**6.2**	1.1	0.15	
78-87-5	1,2-Dichloropropane	**0.50**	1.8	0.23	**0.11**	0.40	0.049	**J**
75-27-4	Bromodichloromethane	<0.26	1.8	0.26	<0.039	0.28	0.039	
79-01-6	Trichloroethene	**0.74**	1.8	0.25	**0.14**	0.34	0.046	**J**
123-91-1	1,4-Dioxane	<0.22	1.8	0.22	<0.060	0.51	0.060	
80-62-6	Methyl Methacrylate	<0.65	3.8	0.65	<0.16	0.92	0.16	
142-82-5	n-Heptane	**2.1**	1.8	0.29	**0.50**	0.45	0.071	
10061-01-5	cis-1,3-Dichloropropene	<0.28	1.8	0.28	<0.063	0.39	0.063	
108-10-1	4-Methyl-2-pentanone	<0.25	1.8	0.25	<0.061	0.44	0.061	
10061-02-6	trans-1,3-Dichloropropene	<0.38	1.8	0.38	<0.083	0.40	0.083	
79-00-5	1,1,2-Trichloroethane	<0.18	1.8	0.18	<0.034	0.34	0.034	
108-88-3	Toluene	**81**	1.8	0.22	**22**	0.49	0.059	
591-78-6	2-Hexanone	<0.23	1.8	0.23	<0.055	0.45	0.055	
124-48-1	Dibromochloromethane	<0.24	1.8	0.24	<0.028	0.22	0.028	
106-93-4	1,2-Dibromoethane	<0.21	1.8	0.21	<0.028	0.24	0.028	
123-86-4	n-Butyl Acetate	**8.8**	1.9	0.25	**1.9**	0.40	0.053	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-002

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00085

Initial Pressure (psig): -0.24 Final Pressure (psig): 5.12

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**1.9**	1.8	0.41	**0.40**	0.40	0.088	
127-18-4	Tetrachloroethene	**1.1**	1.8	0.24	**0.16**	0.26	0.035	**J**
108-90-7	Chlorobenzene	<0.24	1.8	0.24	<0.053	0.40	0.053	
100-41-4	Ethylbenzene	**2.2**	1.8	0.26	**0.51**	0.43	0.059	
179601-23-1	m,p-Xylenes	**6.6**	3.8	0.48	**1.5**	0.87	0.11	
75-25-2	Bromoform	<0.38	1.8	0.38	<0.036	0.18	0.036	
100-42-5	Styrene	**0.34**	1.8	0.29	**0.080**	0.43	0.069	**J**
95-47-6	o-Xylene	**2.0**	1.8	0.26	**0.45**	0.43	0.061	
111-84-2	n-Nonane	**2.0**	1.8	0.30	**0.38**	0.35	0.058	
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	1.8	0.25	<0.037	0.27	0.037	
98-82-8	Cumene	<0.26	1.8	0.26	<0.054	0.38	0.054	
80-56-8	alpha-Pinene	**2.6**	1.8	0.28	**0.47**	0.33	0.050	
103-65-1	n-Propylbenzene	**0.26**	1.8	0.26	**0.054**	0.38	0.054	**J**
622-96-8	4-Ethyltoluene	<0.29	1.8	0.29	<0.059	0.38	0.059	
108-67-8	1,3,5-Trimethylbenzene	**0.30**	1.8	0.26	**0.062**	0.37	0.054	**J**
95-63-6	1,2,4-Trimethylbenzene	**0.94**	1.8	0.25	**0.19**	0.38	0.052	**J**
100-44-7	Benzyl Chloride	<0.41	3.8	0.41	<0.079	0.73	0.079	
541-73-1	1,3-Dichlorobenzene	<0.27	1.8	0.27	<0.046	0.31	0.046	
106-46-7	1,4-Dichlorobenzene	<0.28	1.8	0.28	<0.047	0.31	0.047	
95-50-1	1,2-Dichlorobenzene	<0.27	1.8	0.27	<0.045	0.31	0.045	
5989-27-5	d-Limonene	**2.3**	1.8	0.38	**0.42**	0.33	0.068	
96-12-8	1,2-Dibromo-3-chloropropane	<0.34	1.8	0.34	<0.035	0.19	0.035	
120-82-1	1,2,4-Trichlorobenzene	<0.45	1.8	0.45	<0.060	0.25	0.060	
91-20-3	Naphthalene	<0.45	1.8	0.45	<0.085	0.34	0.085	
87-68-3	Hexachlorobutadiene	<0.38	1.8	0.38	<0.035	0.17	0.035	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.12** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-003

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00803

Initial Pressure (psig): -2.05 Final Pressure (psig): 5.43

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**1.1**	2.1	0.52	**0.66**	1.2	0.30	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	2.1	0.35	**0.46**	0.43	0.070	
74-87-3	Chloromethane	<0.34	2.1	0.34	<0.17	1.0	0.17	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.33	2.1	0.33	<0.048	0.30	0.048	
75-01-4	Vinyl Chloride	<0.23	2.1	0.23	<0.089	0.84	0.089	
106-99-0	1,3-Butadiene	<0.35	2.1	0.35	<0.16	0.95	0.16	
74-83-9	Bromomethane	<0.29	2.1	0.29	<0.076	0.55	0.076	
75-00-3	Chloroethane	<0.26	2.1	0.26	<0.099	0.81	0.099	
64-17-5	Ethanol	**26**	21	1.5	**14**	11	0.78	
75-05-8	Acetonitrile	**0.76**	2.1	0.52	**0.45**	1.3	0.31	**J**
107-02-8	Acrolein	**6.5**	4.0	0.60	**2.8**	1.7	0.26	
67-64-1	Acetone	**27**	21	4.8	**11**	8.9	2.0	
75-69-4	Trichlorofluoromethane (CFC 11)	**3.5**	2.1	0.32	**0.63**	0.38	0.057	
67-63-0	2-Propanol (Isopropyl Alcohol)	**4.7**	8.3	0.87	**1.9**	3.4	0.36	**J**
107-13-1	Acrylonitrile	<0.44	2.1	0.44	<0.20	0.97	0.20	
75-35-4	1,1-Dichloroethene	<0.29	2.1	0.29	<0.074	0.54	0.074	
75-09-2	Methylene Chloride	**0.68**	2.1	0.60	**0.20**	0.61	0.17	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.29	2.1	0.29	<0.091	0.69	0.091	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.52**	2.1	0.30	**0.068**	0.28	0.039	**J**
75-15-0	Carbon Disulfide	<0.64	4.4	0.64	<0.20	1.4	0.20	
156-60-5	trans-1,2-Dichloroethene	<0.29	2.1	0.29	<0.074	0.54	0.074	
75-34-3	1,1-Dichloroethane	<0.31	2.2	0.31	<0.077	0.54	0.077	
1634-04-4	Methyl tert-Butyl Ether	<0.25	2.1	0.25	<0.069	0.60	0.069	
108-05-4	Vinyl Acetate	**9.1**	21	4.8	**2.6**	6.1	1.4	**J**
78-93-3	2-Butanone (MEK)	**5.7**	4.4	0.44	**1.9**	1.5	0.15	

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.12** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-003

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00803

Initial Pressure (psig): -2.05 Final Pressure (psig): 5.43

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.30	2.1	0.30	<0.075	0.53	0.075	
141-78-6	Ethyl Acetate	<1.1	4.4	1.1	<0.31	1.2	0.31	
110-54-3	n-Hexane	<0.44	2.1	0.44	<0.12	0.61	0.12	
67-66-3	Chloroform	**8.8**	2.1	0.28	**1.8**	0.44	0.058	
109-99-9	Tetrahydrofuran (THF)	<0.27	2.2	0.27	<0.090	0.74	0.090	
107-06-2	1,2-Dichloroethane	<0.23	2.1	0.23	<0.058	0.53	0.058	
71-55-6	1,1,1-Trichloroethane	<0.26	2.1	0.26	<0.048	0.39	0.048	
71-43-2	Benzene	<0.31	2.1	0.31	<0.096	0.66	0.096	
56-23-5	Carbon Tetrachloride	<0.29	2.1	0.29	<0.047	0.34	0.047	
110-82-7	Cyclohexane	<0.60	4.4	0.60	<0.17	1.3	0.17	
78-87-5	1,2-Dichloropropane	<0.26	2.1	0.26	<0.057	0.46	0.057	
75-27-4	Bromodichloromethane	**0.35**	2.1	0.31	**0.053**	0.32	0.046	**J**
79-01-6	Trichloroethene	**0.71**	2.1	0.29	**0.13**	0.40	0.053	**J**
123-91-1	1,4-Dioxane	<0.25	2.1	0.25	<0.070	0.60	0.070	
80-62-6	Methyl Methacrylate	<0.76	4.4	0.76	<0.18	1.1	0.18	
142-82-5	n-Heptane	<0.34	2.1	0.34	<0.082	0.52	0.082	
10061-01-5	cis-1,3-Dichloropropene	<0.33	2.1	0.33	<0.073	0.46	0.073	
108-10-1	4-Methyl-2-pentanone	<0.29	2.1	0.29	<0.071	0.51	0.071	
10061-02-6	trans-1,3-Dichloropropene	<0.44	2.1	0.44	<0.096	0.46	0.096	
79-00-5	1,1,2-Trichloroethane	<0.21	2.1	0.21	<0.039	0.39	0.039	
108-88-3	Toluene	**9.0**	2.1	0.26	**2.4**	0.57	0.069	
591-78-6	2-Hexanone	**1.1**	2.1	0.26	**0.26**	0.52	0.064	**J**
124-48-1	Dibromochloromethane	<0.28	2.1	0.28	<0.033	0.25	0.033	
106-93-4	1,2-Dibromoethane	<0.25	2.1	0.25	<0.032	0.28	0.032	
123-86-4	n-Butyl Acetate	**0.58**	2.2	0.29	**0.12**	0.46	0.061	**J**

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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.12** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-003

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00803

Initial Pressure (psig): -2.05 Final Pressure (psig): 5.43

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.48	2.1	0.48	<0.10	0.46	0.10	
127-18-4	Tetrachloroethene	<0.27	2.1	0.27	<0.040	0.30	0.040	
108-90-7	Chlorobenzene	<0.28	2.1	0.28	<0.061	0.47	0.061	
100-41-4	Ethylbenzene	**1.4**	2.1	0.30	**0.32**	0.49	0.069	**J**
179601-23-1	m,p-Xylenes	**4.3**	4.4	0.56	**0.98**	1.0	0.13	**J**
75-25-2	Bromoform	<0.44	2.1	0.44	<0.042	0.21	0.042	
100-42-5	Styrene	<0.34	2.1	0.34	<0.080	0.50	0.080	
95-47-6	o-Xylene	**0.97**	2.1	0.31	**0.22**	0.49	0.070	**J**
111-84-2	n-Nonane	**1.2**	2.1	0.35	**0.22**	0.41	0.067	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.29	2.1	0.29	<0.043	0.31	0.043	
98-82-8	Cumene	<0.31	2.1	0.31	<0.062	0.44	0.062	
80-56-8	alpha-Pinene	**0.37**	2.1	0.33	**0.067**	0.39	0.059	**J**
103-65-1	n-Propylbenzene	<0.31	2.1	0.31	<0.062	0.44	0.062	
622-96-8	4-Ethyltoluene	**0.37**	2.1	0.34	**0.075**	0.44	0.069	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.34**	2.1	0.31	**0.070**	0.43	0.062	**J**
95-63-6	1,2,4-Trimethylbenzene	**1.6**	2.1	0.29	**0.33**	0.44	0.060	**J**
100-44-7	Benzyl Chloride	<0.48	4.4	0.48	<0.092	0.84	0.092	
541-73-1	1,3-Dichlorobenzene	<0.32	2.1	0.32	<0.053	0.36	0.053	
106-46-7	1,4-Dichlorobenzene	<0.33	2.1	0.33	<0.054	0.36	0.054	
95-50-1	1,2-Dichlorobenzene	<0.31	2.1	0.31	<0.052	0.36	0.052	
5989-27-5	d-Limonene	**1.1**	2.1	0.44	**0.21**	0.39	0.079	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.40	2.1	0.40	<0.041	0.22	0.041	
120-82-1	1,2,4-Trichlorobenzene	<0.52	2.1	0.52	<0.070	0.29	0.070	
91-20-3	Naphthalene	**0.60**	2.1	0.52	**0.11**	0.39	0.099	**J**
87-68-3	Hexachlorobutadiene	<0.44	2.1	0.44	<0.041	0.20	0.041	

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.13** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-004

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00192

Initial Pressure (psig): -0.15 Final Pressure (psig): 5.46

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**0.99**	1.8	0.45	**0.58**	1.1	0.26	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.5**	1.8	0.30	**0.50**	0.37	0.061	
74-87-3	Chloromethane	**0.86**	1.8	0.30	**0.42**	0.89	0.14	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.29	1.8	0.29	<0.042	0.26	0.042	
75-01-4	Vinyl Chloride	<0.20	1.9	0.20	<0.078	0.73	0.078	
106-99-0	1,3-Butadiene	<0.31	1.8	0.31	<0.14	0.83	0.14	
74-83-9	Bromomethane	<0.26	1.9	0.26	<0.066	0.48	0.066	
75-00-3	Chloroethane	<0.23	1.9	0.23	<0.087	0.71	0.087	
64-17-5	Ethanol	**36**	18	1.3	**19**	9.6	0.68	
75-05-8	Acetonitrile	**1.2**	1.8	0.45	**0.69**	1.1	0.27	**J**
107-02-8	Acrolein	**4.0**	3.5	0.52	**1.7**	1.5	0.23	
67-64-1	Acetone	**25**	18	4.2	**11**	7.8	1.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	1.8	0.28	**0.21**	0.33	0.050	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**3.4**	7.3	0.76	**1.4**	3.0	0.31	**J**
107-13-1	Acrylonitrile	<0.38	1.8	0.38	<0.18	0.85	0.18	
75-35-4	1,1-Dichloroethene	<0.26	1.9	0.26	<0.065	0.47	0.065	
75-09-2	Methylene Chloride	**0.84**	1.8	0.52	**0.24**	0.53	0.15	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.25	1.9	0.25	<0.080	0.60	0.080	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.49**	1.9	0.26	**0.064**	0.24	0.034	**J**
75-15-0	Carbon Disulfide	**0.72**	3.8	0.56	**0.23**	1.2	0.18	**J**
156-60-5	trans-1,2-Dichloroethene	<0.26	1.9	0.26	<0.065	0.47	0.065	
75-34-3	1,1-Dichloroethane	<0.27	1.9	0.27	<0.067	0.47	0.067	
1634-04-4	Methyl tert-Butyl Ether	<0.22	1.9	0.22	<0.061	0.52	0.061	
108-05-4	Vinyl Acetate	**7.3**	19	4.2	**2.1**	5.3	1.2	**J**
78-93-3	2-Butanone (MEK)	**5.2**	3.8	0.38	**1.8**	1.3	0.13	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.13** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-004

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00192

Initial Pressure (psig): -0.15 Final Pressure (psig): 5.46

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.26	1.8	0.26	<0.066	0.46	0.066	
141-78-6	Ethyl Acetate	<0.97	3.8	0.97	<0.27	1.1	0.27	
110-54-3	n-Hexane	**0.56**	1.9	0.38	**0.16**	0.53	0.11	**J**
67-66-3	Chloroform	<0.25	1.9	0.25	<0.051	0.38	0.051	
109-99-9	Tetrahydrofuran (THF)	<0.23	1.9	0.23	<0.079	0.65	0.079	
107-06-2	1,2-Dichloroethane	<0.21	1.9	0.21	<0.051	0.46	0.051	
71-55-6	1,1,1-Trichloroethane	<0.23	1.9	0.23	<0.042	0.34	0.042	
71-43-2	Benzene	**0.46**	1.8	0.27	**0.14**	0.58	0.084	**J**
56-23-5	Carbon Tetrachloride	<0.26	1.8	0.26	<0.041	0.29	0.041	
110-82-7	Cyclohexane	<0.52	3.8	0.52	<0.15	1.1	0.15	
78-87-5	1,2-Dichloropropane	<0.23	1.9	0.23	<0.050	0.41	0.050	
75-27-4	Bromodichloromethane	<0.27	1.9	0.27	<0.040	0.28	0.040	
79-01-6	Trichloroethene	<0.25	1.9	0.25	<0.047	0.35	0.047	
123-91-1	1,4-Dioxane	<0.22	1.9	0.22	<0.061	0.52	0.061	
80-62-6	Methyl Methacrylate	<0.66	3.8	0.66	<0.16	0.93	0.16	
142-82-5	n-Heptane	<0.30	1.9	0.30	<0.072	0.46	0.072	
10061-01-5	cis-1,3-Dichloropropene	<0.29	1.8	0.29	<0.064	0.40	0.064	
108-10-1	4-Methyl-2-pentanone	**0.29**	1.8	0.25	**0.071**	0.45	0.062	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.38	1.8	0.38	<0.084	0.41	0.084	
79-00-5	1,1,2-Trichloroethane	<0.19	1.9	0.19	<0.034	0.34	0.034	
108-88-3	Toluene	**9.1**	1.9	0.23	**2.4**	0.50	0.060	
591-78-6	2-Hexanone	**0.86**	1.9	0.23	**0.21**	0.46	0.056	**J**
124-48-1	Dibromochloromethane	<0.24	1.9	0.24	<0.029	0.22	0.029	
106-93-4	1,2-Dibromoethane	<0.22	1.9	0.22	<0.028	0.24	0.028	
123-86-4	n-Butyl Acetate	**32**	1.9	0.25	**6.8**	0.40	0.053	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.13** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-004

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00192

Initial Pressure (psig): -0.15 Final Pressure (psig): 5.46

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.42	1.9	0.42	<0.089	0.40	0.089	
127-18-4	Tetrachloroethene	<0.24	1.8	0.24	<0.035	0.27	0.035	
108-90-7	Chlorobenzene	<0.25	1.9	0.25	<0.054	0.41	0.054	
100-41-4	Ethylbenzene	**1.0**	1.9	0.26	**0.24**	0.43	0.060	**J**
179601-23-1	m,p-Xylenes	**3.9**	3.8	0.49	**0.90**	0.88	0.11	
75-25-2	Bromoform	<0.38	1.9	0.38	<0.037	0.18	0.037	
100-42-5	Styrene	<0.30	1.8	0.30	<0.070	0.43	0.070	
95-47-6	o-Xylene	**1.7**	1.9	0.27	**0.39**	0.43	0.062	**J**
111-84-2	n-Nonane	<0.31	1.9	0.31	<0.059	0.36	0.059	
79-34-5	1,1,2,2-Tetrachloroethane	<0.26	1.9	0.26	<0.037	0.27	0.037	
98-82-8	Cumene	<0.27	1.9	0.27	<0.054	0.38	0.054	
80-56-8	alpha-Pinene	**14**	1.9	0.28	**2.5**	0.34	0.051	
103-65-1	n-Propylbenzene	<0.27	1.9	0.27	<0.054	0.38	0.054	
622-96-8	4-Ethyltoluene	<0.30	1.9	0.30	<0.060	0.38	0.060	
108-67-8	1,3,5-Trimethylbenzene	<0.27	1.8	0.27	<0.054	0.37	0.054	
95-63-6	1,2,4-Trimethylbenzene	**0.41**	1.9	0.26	**0.083**	0.38	0.052	**J**
100-44-7	Benzyl Chloride	<0.42	3.8	0.42	<0.081	0.74	0.081	
541-73-1	1,3-Dichlorobenzene	<0.28	1.9	0.28	<0.046	0.31	0.046	
106-46-7	1,4-Dichlorobenzene	<0.28	1.9	0.28	<0.047	0.31	0.047	
95-50-1	1,2-Dichlorobenzene	<0.27	1.9	0.27	<0.046	0.31	0.046	
5989-27-5	d-Limonene	**0.70**	1.9	0.38	**0.13**	0.34	0.069	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.35	1.8	0.35	<0.036	0.19	0.036	
120-82-1	1,2,4-Trichlorobenzene	<0.45	1.9	0.45	<0.061	0.25	0.061	
91-20-3	Naphthalene	<0.45	1.8	0.45	<0.086	0.34	0.086	
87-68-3	Hexachlorobutadiene	<0.38	1.8	0.38	<0.036	0.17	0.036	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.6** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-005

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01379

Initial Pressure (psig): -0.15 Final Pressure (psig): 6.61

Canister Dilution Factor: 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.47	1.9	0.47	<0.28	1.1	0.28	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	1.9	0.32	**0.48**	0.39	0.064	
74-87-3	Chloromethane	**1.1**	1.9	0.31	**0.52**	0.94	0.15	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.31	1.9	0.31	<0.044	0.28	0.044	
75-01-4	Vinyl Chloride	<0.21	2.0	0.21	<0.081	0.77	0.081	
106-99-0	1,3-Butadiene	<0.32	1.9	0.32	<0.15	0.87	0.15	
74-83-9	Bromomethane	<0.27	2.0	0.27	<0.070	0.51	0.070	
75-00-3	Chloroethane	<0.24	2.0	0.24	<0.091	0.75	0.091	
64-17-5	Ethanol	**240**	19	1.4	**130**	10	0.72	
75-05-8	Acetonitrile	**0.63**	1.9	0.47	**0.37**	1.2	0.28	**J**
107-02-8	Acrolein	**3.6**	3.7	0.55	**1.6**	1.6	0.24	**J**
67-64-1	Acetone	**37**	19	4.4	**15**	8.1	1.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.3**	1.9	0.30	**0.23**	0.34	0.053	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**32**	7.7	0.80	**13**	3.1	0.33	
107-13-1	Acrylonitrile	<0.40	1.9	0.40	<0.19	0.89	0.19	
75-35-4	1,1-Dichloroethene	<0.27	2.0	0.27	<0.068	0.50	0.068	
75-09-2	Methylene Chloride	**4.7**	1.9	0.55	**1.3**	0.56	0.16	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.26	2.0	0.26	<0.084	0.63	0.084	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.47**	2.0	0.28	**0.061**	0.26	0.036	**J**
75-15-0	Carbon Disulfide	<0.58	4.0	0.58	<0.19	1.3	0.19	
156-60-5	trans-1,2-Dichloroethene	**0.68**	2.0	0.27	**0.17**	0.50	0.068	**J**
75-34-3	1,1-Dichloroethane	<0.28	2.0	0.28	<0.070	0.50	0.070	
1634-04-4	Methyl tert-Butyl Ether	<0.23	2.0	0.23	<0.064	0.55	0.064	
108-05-4	Vinyl Acetate	**7.5**	20	4.4	**2.1**	5.6	1.2	**J**
78-93-3	2-Butanone (MEK)	**4.8**	4.0	0.40	**1.6**	1.4	0.14	

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.6** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-005

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01379

Initial Pressure (psig): -0.15 Final Pressure (psig): 6.61

Canister Dilution Factor: 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.27	1.9	0.27	<0.069	0.49	0.069	
141-78-6	Ethyl Acetate	**150**	4.0	1.0	**42**	1.1	0.28	
110-54-3	n-Hexane	**2.6**	2.0	0.40	**0.74**	0.56	0.11	
67-66-3	Chloroform	<0.26	2.0	0.26	<0.053	0.40	0.053	
109-99-9	Tetrahydrofuran (THF)	<0.24	2.0	0.24	<0.083	0.68	0.083	
107-06-2	1,2-Dichloroethane	<0.22	2.0	0.22	<0.053	0.49	0.053	
71-55-6	1,1,1-Trichloroethane	<0.24	2.0	0.24	<0.044	0.36	0.044	
71-43-2	Benzene	**1.6**	1.9	0.28	**0.49**	0.61	0.088	**J**
56-23-5	Carbon Tetrachloride	**0.40**	1.9	0.27	**0.064**	0.31	0.043	**J**
110-82-7	Cyclohexane	**3.4**	4.0	0.55	**1.0**	1.2	0.16	**J**
78-87-5	1,2-Dichloropropane	<0.24	2.0	0.24	<0.052	0.43	0.052	
75-27-4	Bromodichloromethane	<0.28	2.0	0.28	<0.042	0.29	0.042	
79-01-6	Trichloroethene	<0.26	2.0	0.26	<0.049	0.37	0.049	
123-91-1	1,4-Dioxane	<0.23	2.0	0.23	<0.064	0.55	0.064	
80-62-6	Methyl Methacrylate	<0.69	4.0	0.69	<0.17	0.98	0.17	
142-82-5	n-Heptane	**1.7**	2.0	0.31	**0.42**	0.48	0.076	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.30	1.9	0.30	<0.067	0.42	0.067	
108-10-1	4-Methyl-2-pentanone	<0.27	1.9	0.27	<0.065	0.47	0.065	
10061-02-6	trans-1,3-Dichloropropene	<0.40	1.9	0.40	<0.088	0.43	0.088	
79-00-5	1,1,2-Trichloroethane	<0.20	2.0	0.20	<0.036	0.36	0.036	
108-88-3	Toluene	**16**	2.0	0.24	**4.2**	0.52	0.063	
591-78-6	2-Hexanone	**0.46**	2.0	0.24	**0.11**	0.48	0.059	**J**
124-48-1	Dibromochloromethane	<0.26	2.0	0.26	<0.030	0.23	0.030	
106-93-4	1,2-Dibromoethane	<0.23	2.0	0.23	<0.029	0.26	0.029	
123-86-4	n-Butyl Acetate	**5.1**	2.0	0.27	**1.1**	0.42	0.056	

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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.6** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-005

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01379

Initial Pressure (psig): -0.15 Final Pressure (psig): 6.61

Canister Dilution Factor: 1.46

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**1.3**	2.0	0.44	**0.28**	0.42	0.094	**J**
127-18-4	Tetrachloroethene	<0.25	1.9	0.25	<0.037	0.28	0.037	
108-90-7	Chlorobenzene	<0.26	2.0	0.26	<0.056	0.43	0.056	
100-41-4	Ethylbenzene	**1.2**	2.0	0.27	**0.28**	0.45	0.063	**J**
179601-23-1	m,p-Xylenes	**3.6**	4.0	0.51	**0.82**	0.92	0.12	**J**
75-25-2	Bromoform	<0.40	2.0	0.40	<0.039	0.19	0.039	
100-42-5	Styrene	**0.49**	1.9	0.31	**0.12**	0.45	0.074	**J**
95-47-6	o-Xylene	**1.3**	2.0	0.28	**0.29**	0.45	0.065	**J**
111-84-2	n-Nonane	<0.32	2.0	0.32	<0.062	0.38	0.062	
79-34-5	1,1,2,2-Tetrachloroethane	<0.27	2.0	0.27	<0.039	0.29	0.039	
98-82-8	Cumene	<0.28	2.0	0.28	<0.057	0.40	0.057	
80-56-8	alpha-Pinene	**1.4**	2.0	0.30	**0.24**	0.35	0.054	**J**
103-65-1	n-Propylbenzene	<0.28	2.0	0.28	<0.057	0.40	0.057	
622-96-8	4-Ethyltoluene	<0.31	2.0	0.31	<0.063	0.40	0.063	
108-67-8	1,3,5-Trimethylbenzene	<0.28	1.9	0.28	<0.057	0.39	0.057	
95-63-6	1,2,4-Trimethylbenzene	**0.55**	2.0	0.27	**0.11**	0.40	0.055	**J**
100-44-7	Benzyl Chloride	<0.44	4.0	0.44	<0.085	0.78	0.085	
541-73-1	1,3-Dichlorobenzene	<0.29	2.0	0.29	<0.049	0.33	0.049	
106-46-7	1,4-Dichlorobenzene	<0.30	2.0	0.30	<0.050	0.33	0.050	
95-50-1	1,2-Dichlorobenzene	<0.29	2.0	0.29	<0.048	0.33	0.048	
5989-27-5	d-Limonene	**1.1**	2.0	0.40	**0.19**	0.35	0.072	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.37	1.9	0.37	<0.038	0.20	0.038	
120-82-1	1,2,4-Trichlorobenzene	<0.47	2.0	0.47	<0.064	0.27	0.064	
91-20-3	Naphthalene	<0.47	1.9	0.47	<0.091	0.36	0.091	
87-68-3	Hexachlorobutadiene	<0.40	1.9	0.40	<0.038	0.18	0.038	

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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.19** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-006

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00768

Initial Pressure (psig): -2.77 Final Pressure (psig): 6.10

Canister Dilution Factor: 1.74

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**0.79**	2.3	0.57	**0.46**	1.3	0.33	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	2.3	0.38	**0.48**	0.47	0.077	
74-87-3	Chloromethane	<0.37	2.3	0.37	<0.18	1.1	0.18	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.37	2.3	0.37	<0.052	0.33	0.052	
75-01-4	Vinyl Chloride	<0.25	2.3	0.25	<0.097	0.92	0.097	
106-99-0	1,3-Butadiene	<0.38	2.3	0.38	<0.17	1.0	0.17	
74-83-9	Bromomethane	<0.32	2.3	0.32	<0.083	0.61	0.083	
75-00-3	Chloroethane	<0.29	2.3	0.29	<0.11	0.89	0.11	
64-17-5	Ethanol	**12**	23	1.6	**6.3**	12	0.85	**J**
75-05-8	Acetonitrile	**0.86**	2.3	0.57	**0.51**	1.4	0.34	**J**
107-02-8	Acrolein	**3.4**	4.4	0.65	**1.5**	1.9	0.28	**J**
67-64-1	Acetone	**16**	23	5.2	**6.5**	9.7	2.2	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.6**	2.3	0.35	**0.29**	0.41	0.063	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**3.1**	9.1	0.96	**1.3**	3.7	0.39	**J**
107-13-1	Acrylonitrile	<0.48	2.3	0.48	<0.22	1.1	0.22	
75-35-4	1,1-Dichloroethene	<0.32	2.3	0.32	<0.081	0.59	0.081	
75-09-2	Methylene Chloride	<0.65	2.3	0.65	<0.19	0.66	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.31	2.3	0.31	<0.10	0.75	0.10	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.58**	2.3	0.33	**0.076**	0.31	0.043	**J**
75-15-0	Carbon Disulfide	**2.4**	4.8	0.70	**0.78**	1.5	0.22	**J**
156-60-5	trans-1,2-Dichloroethene	<0.32	2.3	0.32	<0.081	0.59	0.081	
75-34-3	1,1-Dichloroethane	<0.34	2.4	0.34	<0.084	0.59	0.084	
1634-04-4	Methyl tert-Butyl Ether	<0.27	2.3	0.27	<0.076	0.65	0.076	
108-05-4	Vinyl Acetate	**6.9**	23	5.2	**2.0**	6.7	1.5	**J**
78-93-3	2-Butanone (MEK)	**3.6**	4.8	0.48	**1.2**	1.6	0.16	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.19** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-006

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00768

Initial Pressure (psig): -2.77 Final Pressure (psig): 6.10

Canister Dilution Factor: 1.74

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.33	2.3	0.33	<0.082	0.58	0.082	
141-78-6	Ethyl Acetate	<1.2	4.8	1.2	<0.34	1.3	0.34	
110-54-3	n-Hexane	<0.48	2.3	0.48	<0.14	0.67	0.14	
67-66-3	Chloroform	**4.8**	2.3	0.31	**0.98**	0.48	0.063	
109-99-9	Tetrahydrofuran (THF)	<0.29	2.4	0.29	<0.099	0.81	0.099	
107-06-2	1,2-Dichloroethane	<0.26	2.3	0.26	<0.063	0.58	0.063	
71-55-6	1,1,1-Trichloroethane	<0.29	2.3	0.29	<0.053	0.43	0.053	
71-43-2	Benzene	<0.33	2.3	0.33	<0.10	0.72	0.10	
56-23-5	Carbon Tetrachloride	<0.32	2.3	0.32	<0.051	0.37	0.051	
110-82-7	Cyclohexane	<0.65	4.8	0.65	<0.19	1.4	0.19	
78-87-5	1,2-Dichloropropane	**0.31**	2.3	0.29	**0.067**	0.51	0.062	**J**
75-27-4	Bromodichloromethane	<0.33	2.3	0.33	<0.050	0.35	0.050	
79-01-6	Trichloroethene	**0.34**	2.3	0.31	**0.064**	0.44	0.058	**J**
123-91-1	1,4-Dioxane	<0.27	2.3	0.27	<0.076	0.65	0.076	
80-62-6	Methyl Methacrylate	<0.83	4.8	0.83	<0.20	1.2	0.20	
142-82-5	n-Heptane	**0.48**	2.3	0.37	**0.12**	0.57	0.090	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.36	2.3	0.36	<0.080	0.50	0.080	
108-10-1	4-Methyl-2-pentanone	<0.32	2.3	0.32	<0.078	0.56	0.078	
10061-02-6	trans-1,3-Dichloropropene	<0.48	2.3	0.48	<0.11	0.51	0.11	
79-00-5	1,1,2-Trichloroethane	<0.23	2.3	0.23	<0.043	0.43	0.043	
108-88-3	Toluene	**5.7**	2.3	0.28	**1.5**	0.62	0.075	
591-78-6	2-Hexanone	**1.0**	2.3	0.29	**0.25**	0.57	0.070	**J**
124-48-1	Dibromochloromethane	<0.30	2.3	0.30	<0.036	0.28	0.036	
106-93-4	1,2-Dibromoethane	<0.27	2.3	0.27	<0.035	0.31	0.035	
123-86-4	n-Butyl Acetate	**0.46**	2.4	0.32	**0.097**	0.50	0.067	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.19** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-006

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00768

Initial Pressure (psig): -2.77 Final Pressure (psig): 6.10

Canister Dilution Factor: 1.74

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.52	2.3	0.52	<0.11	0.50	0.11	
127-18-4	Tetrachloroethene	<0.30	2.3	0.30	<0.044	0.33	0.044	
108-90-7	Chlorobenzene	<0.31	2.3	0.31	<0.067	0.51	0.067	
100-41-4	Ethylbenzene	**1.3**	2.3	0.33	**0.29**	0.54	0.075	**J**
179601-23-1	m,p-Xylenes	**4.1**	4.8	0.61	**0.94**	1.1	0.14	**J**
75-25-2	Bromoform	<0.48	2.3	0.48	<0.046	0.23	0.046	
100-42-5	Styrene	**0.49**	2.3	0.37	**0.12**	0.54	0.088	**J**
95-47-6	o-Xylene	**0.87**	2.3	0.33	**0.20**	0.54	0.077	**J**
111-84-2	n-Nonane	**0.66**	2.3	0.39	**0.13**	0.45	0.074	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.32	2.3	0.32	<0.047	0.34	0.047	
98-82-8	Cumene	<0.33	2.3	0.33	<0.068	0.48	0.068	
80-56-8	alpha-Pinene	<0.36	2.3	0.36	<0.064	0.42	0.064	
103-65-1	n-Propylbenzene	<0.33	2.3	0.33	<0.068	0.48	0.068	
622-96-8	4-Ethyltoluene	<0.37	2.3	0.37	<0.075	0.48	0.075	
108-67-8	1,3,5-Trimethylbenzene	<0.33	2.3	0.33	<0.068	0.47	0.068	
95-63-6	1,2,4-Trimethylbenzene	**1.4**	2.3	0.32	**0.28**	0.48	0.066	**J**
100-44-7	Benzyl Chloride	<0.52	4.8	0.52	<0.10	0.92	0.10	
541-73-1	1,3-Dichlorobenzene	<0.35	2.3	0.35	<0.058	0.39	0.058	
106-46-7	1,4-Dichlorobenzene	<0.36	2.3	0.36	<0.059	0.39	0.059	
95-50-1	1,2-Dichlorobenzene	<0.34	2.3	0.34	<0.057	0.39	0.057	
5989-27-5	d-Limonene	**0.87**	2.3	0.48	**0.16**	0.42	0.086	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.44	2.3	0.44	<0.045	0.24	0.045	
120-82-1	1,2,4-Trichlorobenzene	<0.57	2.3	0.57	<0.076	0.32	0.076	
91-20-3	Naphthalene	**0.95**	2.3	0.57	**0.18**	0.43	0.11	**J**
87-68-3	Hexachlorobutadiene	<0.48	2.3	0.48	<0.045	0.22	0.045	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.4** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-007

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00317

Initial Pressure (psig): -2.57 Final Pressure (psig): 6.07

Canister Dilution Factor: 1.71

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**4.1**	2.3	0.56	**2.4**	1.3	0.32	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	2.3	0.37	**0.49**	0.46	0.075	
74-87-3	Chloromethane	**0.77**	2.3	0.37	**0.37**	1.1	0.18	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.36	2.3	0.36	<0.051	0.32	0.051	
75-01-4	Vinyl Chloride	<0.24	2.3	0.24	<0.095	0.90	0.095	
106-99-0	1,3-Butadiene	<0.38	2.3	0.38	<0.17	1.0	0.17	
74-83-9	Bromomethane	<0.32	2.3	0.32	<0.082	0.59	0.082	
75-00-3	Chloroethane	**0.44**	2.3	0.28	**0.17**	0.88	0.11	**J**
64-17-5	Ethanol	**16**	22	1.6	**8.7**	12	0.84	**J**
75-05-8	Acetonitrile	**1.8**	2.3	0.56	**1.1**	1.4	0.33	**J**
107-02-8	Acrolein	**0.85**	4.3	0.64	**0.37**	1.9	0.28	**J**
67-64-1	Acetone	**130**	23	5.1	**55**	9.5	2.2	
75-69-4	Trichlorofluoromethane (CFC 11)	**2.0**	2.3	0.35	**0.36**	0.40	0.062	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**5.2**	9.0	0.94	**2.1**	3.7	0.38	**J**
107-13-1	Acrylonitrile	<0.47	2.3	0.47	<0.22	1.0	0.22	
75-35-4	1,1-Dichloroethene	<0.32	2.3	0.32	<0.080	0.58	0.080	
75-09-2	Methylene Chloride	<0.64	2.3	0.64	<0.18	0.65	0.18	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.31	2.3	0.31	<0.098	0.74	0.098	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.53**	2.3	0.32	**0.069**	0.30	0.042	**J**
75-15-0	Carbon Disulfide	**1.3**	4.7	0.68	**0.43**	1.5	0.22	**J**
156-60-5	trans-1,2-Dichloroethene	<0.32	2.3	0.32	<0.080	0.58	0.080	
75-34-3	1,1-Dichloroethane	<0.33	2.4	0.33	<0.082	0.58	0.082	
1634-04-4	Methyl tert-Butyl Ether	<0.27	2.3	0.27	<0.075	0.64	0.075	
108-05-4	Vinyl Acetate	**33**	23	5.1	**9.4**	6.6	1.5	
78-93-3	2-Butanone (MEK)	**37**	4.7	0.47	**12**	1.6	0.16	

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.4** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-007

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00317

Initial Pressure (psig): -2.57 Final Pressure (psig): 6.07

Canister Dilution Factor: 1.71

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	**0.36**	2.3	0.32	**0.091**	0.57	0.081	**J**
141-78-6	Ethyl Acetate	**1.4**	4.7	1.2	**0.38**	1.3	0.33	**J**
110-54-3	n-Hexane	<0.47	2.3	0.47	<0.13	0.66	0.13	
67-66-3	Chloroform	<0.30	2.3	0.30	<0.062	0.47	0.062	
109-99-9	Tetrahydrofuran (THF)	**0.83**	2.4	0.29	**0.28**	0.80	0.097	**J**
107-06-2	1,2-Dichloroethane	<0.25	2.3	0.25	<0.062	0.57	0.062	
71-55-6	1,1,1-Trichloroethane	<0.28	2.3	0.28	<0.052	0.42	0.052	
71-43-2	Benzene	**1.0**	2.3	0.33	**0.33**	0.71	0.10	**J**
56-23-5	Carbon Tetrachloride	<0.32	2.3	0.32	<0.050	0.36	0.050	
110-82-7	Cyclohexane	<0.64	4.7	0.64	<0.19	1.4	0.19	
78-87-5	1,2-Dichloropropane	<0.28	2.3	0.28	<0.061	0.50	0.061	
75-27-4	Bromodichloromethane	<0.33	2.3	0.33	<0.049	0.34	0.049	
79-01-6	Trichloroethene	**0.47**	2.3	0.31	**0.088**	0.43	0.057	**J**
123-91-1	1,4-Dioxane	<0.27	2.3	0.27	<0.075	0.64	0.075	
80-62-6	Methyl Methacrylate	<0.81	4.7	0.81	<0.20	1.1	0.20	
142-82-5	n-Heptane	**0.41**	2.3	0.36	**0.10**	0.56	0.089	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.35	2.2	0.35	<0.078	0.49	0.078	
108-10-1	4-Methyl-2-pentanone	**1.1**	2.3	0.31	**0.27**	0.55	0.076	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.47	2.3	0.47	<0.10	0.50	0.10	
79-00-5	1,1,2-Trichloroethane	<0.23	2.3	0.23	<0.042	0.42	0.042	
108-88-3	Toluene	**3.4**	2.3	0.28	**0.91**	0.61	0.074	
591-78-6	2-Hexanone	**4.6**	2.3	0.28	**1.1**	0.56	0.069	
124-48-1	Dibromochloromethane	<0.30	2.3	0.30	<0.035	0.27	0.035	
106-93-4	1,2-Dibromoethane	<0.27	2.3	0.27	<0.035	0.30	0.035	
123-86-4	n-Butyl Acetate	<0.31	2.4	0.31	<0.066	0.50	0.066	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.4** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-007

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00317

Initial Pressure (psig): -2.57 Final Pressure (psig): 6.07

Canister Dilution Factor: 1.71

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.51	2.3	0.51	<0.11	0.49	0.11	
127-18-4	Tetrachloroethene	**3.4**	2.2	0.29	**0.51**	0.33	0.044	
108-90-7	Chlorobenzene	<0.30	2.3	0.30	<0.066	0.50	0.066	
100-41-4	Ethylbenzene	**1.0**	2.3	0.32	**0.24**	0.53	0.074	**J**
179601-23-1	m,p-Xylenes	**3.2**	4.7	0.60	**0.74**	1.1	0.14	**J**
75-25-2	Bromoform	<0.47	2.3	0.47	<0.045	0.22	0.045	
100-42-5	Styrene	<0.37	2.3	0.37	<0.086	0.53	0.086	
95-47-6	o-Xylene	**0.91**	2.3	0.33	**0.21**	0.53	0.076	**J**
111-84-2	n-Nonane	**1.0**	2.3	0.38	**0.20**	0.44	0.073	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.32	2.3	0.32	<0.046	0.34	0.046	
98-82-8	Cumene	<0.33	2.3	0.33	<0.067	0.47	0.067	
80-56-8	alpha-Pinene	<0.35	2.3	0.35	<0.063	0.41	0.063	
103-65-1	n-Propylbenzene	**0.37**	2.3	0.33	**0.076**	0.47	0.067	**J**
622-96-8	4-Ethyltoluene	<0.36	2.3	0.36	<0.074	0.47	0.074	
108-67-8	1,3,5-Trimethylbenzene	**0.39**	2.3	0.33	**0.080**	0.46	0.067	**J**
95-63-6	1,2,4-Trimethylbenzene	**1.9**	2.3	0.32	**0.39**	0.47	0.064	**J**
100-44-7	Benzyl Chloride	<0.51	4.7	0.51	<0.099	0.91	0.099	
541-73-1	1,3-Dichlorobenzene	<0.34	2.3	0.34	<0.057	0.38	0.057	
106-46-7	1,4-Dichlorobenzene	<0.35	2.3	0.35	<0.058	0.38	0.058	
95-50-1	1,2-Dichlorobenzene	<0.34	2.3	0.34	<0.056	0.38	0.056	
5989-27-5	d-Limonene	**0.70**	2.3	0.47	**0.13**	0.41	0.084	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.43	2.3	0.43	<0.044	0.23	0.044	
120-82-1	1,2,4-Trichlorobenzene	<0.56	2.3	0.56	<0.075	0.31	0.075	
91-20-3	Naphthalene	<0.56	2.2	0.56	<0.11	0.42	0.11	
87-68-3	Hexachlorobutadiene	<0.47	2.3	0.47	<0.044	0.21	0.044	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.14** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-008

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00058

Initial Pressure (psig): -1.58 Final Pressure (psig): 5.87

Canister Dilution Factor: 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.51	2.1	0.51	<0.30	1.2	0.30	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	2.1	0.34	**0.47**	0.42	0.069	
74-87-3	Chloromethane	**0.81**	2.1	0.34	**0.39**	1.0	0.16	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.33	2.1	0.33	<0.047	0.30	0.047	
75-01-4	Vinyl Chloride	<0.22	2.1	0.22	<0.088	0.83	0.088	
106-99-0	1,3-Butadiene	<0.35	2.1	0.35	<0.16	0.94	0.16	
74-83-9	Bromomethane	<0.29	2.1	0.29	<0.075	0.55	0.075	
75-00-3	Chloroethane	<0.26	2.1	0.26	<0.098	0.80	0.098	
64-17-5	Ethanol	**180**	20	1.5	**97**	11	0.77	
75-05-8	Acetonitrile	**0.53**	2.1	0.51	**0.31**	1.2	0.30	**J**
107-02-8	Acrolein	**3.0**	3.9	0.59	**1.3**	1.7	0.26	**J**
67-64-1	Acetone	**21**	21	4.7	**8.9**	8.8	2.0	
75-69-4	Trichlorofluoromethane (CFC 11)	**2.0**	2.1	0.32	**0.35**	0.37	0.057	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**22**	8.2	0.86	**8.8**	3.4	0.35	
107-13-1	Acrylonitrile	<0.43	2.1	0.43	<0.20	0.96	0.20	
75-35-4	1,1-Dichloroethene	<0.29	2.1	0.29	<0.073	0.53	0.073	
75-09-2	Methylene Chloride	**7.7**	2.1	0.59	**2.2**	0.60	0.17	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.28	2.1	0.28	<0.090	0.68	0.090	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.48**	2.1	0.30	**0.063**	0.28	0.039	**J**
75-15-0	Carbon Disulfide	<0.63	4.3	0.63	<0.20	1.4	0.20	
156-60-5	trans-1,2-Dichloroethene	<0.29	2.1	0.29	<0.073	0.53	0.073	
75-34-3	1,1-Dichloroethane	<0.31	2.2	0.31	<0.076	0.53	0.076	
1634-04-4	Methyl tert-Butyl Ether	<0.25	2.1	0.25	<0.069	0.59	0.069	
108-05-4	Vinyl Acetate	<4.7	21	4.7	<1.3	6.0	1.3	
78-93-3	2-Butanone (MEK)	**4.8**	4.3	0.43	**1.6**	1.5	0.15	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.14** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-008

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00058

Initial Pressure (psig): -1.58 Final Pressure (psig): 5.87

Canister Dilution Factor: 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.29	2.1	0.29	<0.074	0.52	0.074	
141-78-6	Ethyl Acetate	**130**	4.3	1.1	**37**	1.2	0.31	
110-54-3	n-Hexane	**2.2**	2.1	0.43	**0.63**	0.60	0.12	
67-66-3	Chloroform	<0.28	2.1	0.28	<0.057	0.43	0.057	
109-99-9	Tetrahydrofuran (THF)	<0.26	2.2	0.26	<0.089	0.73	0.089	
107-06-2	1,2-Dichloroethane	<0.23	2.1	0.23	<0.057	0.52	0.057	
71-55-6	1,1,1-Trichloroethane	<0.26	2.1	0.26	<0.047	0.39	0.047	
71-43-2	Benzene	**1.3**	2.1	0.30	**0.41**	0.65	0.095	**J**
56-23-5	Carbon Tetrachloride	**0.40**	2.1	0.29	**0.063**	0.33	0.046	**J**
110-82-7	Cyclohexane	<0.59	4.3	0.59	<0.17	1.3	0.17	
78-87-5	1,2-Dichloropropane	<0.26	2.1	0.26	<0.056	0.46	0.056	
75-27-4	Bromodichloromethane	<0.30	2.1	0.30	<0.045	0.32	0.045	
79-01-6	Trichloroethene	**0.68**	2.1	0.28	**0.13**	0.39	0.053	**J**
123-91-1	1,4-Dioxane	<0.25	2.1	0.25	<0.069	0.59	0.069	
80-62-6	Methyl Methacrylate	<0.75	4.3	0.75	<0.18	1.1	0.18	
142-82-5	n-Heptane	**0.79**	2.1	0.33	**0.19**	0.52	0.081	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.33	2.0	0.33	<0.072	0.45	0.072	
108-10-1	4-Methyl-2-pentanone	<0.29	2.1	0.29	<0.070	0.51	0.070	
10061-02-6	trans-1,3-Dichloropropene	<0.43	2.1	0.43	<0.095	0.46	0.095	
79-00-5	1,1,2-Trichloroethane	<0.21	2.1	0.21	<0.039	0.39	0.039	
108-88-3	Toluene	**15**	2.1	0.26	**3.9**	0.56	0.068	
591-78-6	2-Hexanone	<0.26	2.1	0.26	<0.063	0.52	0.063	
124-48-1	Dibromochloromethane	<0.27	2.1	0.27	<0.032	0.25	0.032	
106-93-4	1,2-Dibromoethane	<0.24	2.1	0.24	<0.032	0.28	0.032	
123-86-4	n-Butyl Acetate	**1.2**	2.2	0.29	**0.25**	0.45	0.060	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.14** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-008

Test Code: EPA TO-15 Date Collected: 4/20/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00058

Initial Pressure (psig): -1.58 Final Pressure (psig): 5.87

Canister Dilution Factor: 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.77**	2.1	0.47	**0.17**	0.45	0.10	**J**
127-18-4	Tetrachloroethene	<0.27	2.0	0.27	<0.040	0.30	0.040	
108-90-7	Chlorobenzene	<0.28	2.1	0.28	<0.061	0.46	0.061	
100-41-4	Ethylbenzene	**2.8**	2.1	0.29	**0.65**	0.49	0.068	
179601-23-1	m,p-Xylenes	**9.1**	4.3	0.55	**2.1**	0.99	0.13	
75-25-2	Bromoform	<0.43	2.1	0.43	<0.042	0.21	0.042	
100-42-5	Styrene	**1.8**	2.1	0.34	**0.43**	0.49	0.079	**J**
95-47-6	o-Xylene	**2.4**	2.1	0.30	**0.56**	0.49	0.070	
111-84-2	n-Nonane	**0.91**	2.1	0.35	**0.17**	0.40	0.067	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.29	2.1	0.29	<0.042	0.31	0.042	
98-82-8	Cumene	<0.30	2.1	0.30	<0.062	0.43	0.062	
80-56-8	alpha-Pinene	<0.32	2.1	0.32	<0.058	0.38	0.058	
103-65-1	n-Propylbenzene	**0.69**	2.1	0.30	**0.14**	0.43	0.062	**J**
622-96-8	4-Ethyltoluene	**1.1**	2.1	0.33	**0.22**	0.43	0.068	**J**
108-67-8	1,3,5-Trimethylbenzene	**1.1**	2.1	0.30	**0.22**	0.42	0.062	**J**
95-63-6	1,2,4-Trimethylbenzene	**4.7**	2.1	0.29	**0.95**	0.43	0.059	
100-44-7	Benzyl Chloride	<0.47	4.3	0.47	<0.091	0.83	0.091	
541-73-1	1,3-Dichlorobenzene	<0.31	2.1	0.31	<0.052	0.35	0.052	
106-46-7	1,4-Dichlorobenzene	<0.32	2.1	0.32	<0.054	0.35	0.054	
95-50-1	1,2-Dichlorobenzene	<0.31	2.1	0.31	<0.052	0.35	0.052	
5989-27-5	d-Limonene	**1.8**	2.1	0.43	**0.32**	0.38	0.078	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.39	2.1	0.39	<0.041	0.22	0.041	
120-82-1	1,2,4-Trichlorobenzene	<0.51	2.1	0.51	<0.069	0.29	0.069	
91-20-3	Naphthalene	<0.51	2.0	0.51	<0.097	0.39	0.097	
87-68-3	Hexachlorobutadiene	<0.43	2.1	0.43	<0.040	0.20	0.040	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.10** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-009

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00935

Initial Pressure (psig): -1.75 Final Pressure (psig): 5.41

Canister Dilution Factor: 1.55

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.50	2.1	0.50	<0.29	1.2	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	2.1	0.34	**0.48**	0.42	0.068	
74-87-3	Chloromethane	<0.33	2.1	0.33	<0.16	0.99	0.16	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.33	2.1	0.33	<0.047	0.29	0.047	
75-01-4	Vinyl Chloride	<0.22	2.1	0.22	<0.086	0.82	0.086	
106-99-0	1,3-Butadiene	<0.34	2.1	0.34	<0.15	0.93	0.15	
74-83-9	Bromomethane	<0.29	2.1	0.29	<0.074	0.54	0.074	
75-00-3	Chloroethane	<0.26	2.1	0.26	<0.097	0.79	0.097	
64-17-5	Ethanol	**33**	20	1.4	**17**	11	0.76	
75-05-8	Acetonitrile	<0.50	2.1	0.50	<0.30	1.2	0.30	
107-02-8	Acrolein	**0.84**	3.9	0.58	**0.37**	1.7	0.25	**J**
67-64-1	Acetone	**9.6**	21	4.7	**4.0**	8.6	2.0	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.9**	2.1	0.31	**0.33**	0.37	0.056	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**2.3**	8.1	0.85	**0.92**	3.3	0.35	**J**
107-13-1	Acrylonitrile	<0.43	2.1	0.43	<0.20	0.95	0.20	
75-35-4	1,1-Dichloroethene	<0.29	2.1	0.29	<0.072	0.53	0.072	
75-09-2	Methylene Chloride	<0.58	2.1	0.58	<0.17	0.59	0.17	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.28	2.1	0.28	<0.089	0.67	0.089	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.48**	2.1	0.29	**0.063**	0.27	0.038	**J**
75-15-0	Carbon Disulfide	**1.2**	4.3	0.62	**0.39**	1.4	0.20	**J**
156-60-5	trans-1,2-Dichloroethene	<0.29	2.1	0.29	<0.072	0.53	0.072	
75-34-3	1,1-Dichloroethane	<0.30	2.1	0.30	<0.075	0.53	0.075	
1634-04-4	Methyl tert-Butyl Ether	<0.24	2.1	0.24	<0.068	0.58	0.068	
108-05-4	Vinyl Acetate	<4.7	21	4.7	<1.3	5.9	1.3	
78-93-3	2-Butanone (MEK)	**2.6**	4.3	0.43	**0.88**	1.4	0.14	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.10** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-009

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00935

Initial Pressure (psig): -1.75 Final Pressure (psig): 5.41

Canister Dilution Factor: 1.55

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.29	2.1	0.29	<0.073	0.52	0.073	
141-78-6	Ethyl Acetate	<1.1	4.3	1.1	<0.30	1.2	0.30	
110-54-3	n-Hexane	<0.43	2.1	0.43	<0.12	0.59	0.12	
67-66-3	Chloroform	**0.28**	2.1	0.28	**0.056**	0.43	0.056	**J**
109-99-9	Tetrahydrofuran (THF)	<0.26	2.1	0.26	<0.088	0.72	0.088	
107-06-2	1,2-Dichloroethane	<0.23	2.1	0.23	<0.057	0.52	0.057	
71-55-6	1,1,1-Trichloroethane	<0.26	2.1	0.26	<0.047	0.38	0.047	
71-43-2	Benzene	<0.30	2.1	0.30	<0.093	0.64	0.093	
56-23-5	Carbon Tetrachloride	**0.29**	2.1	0.29	**0.046**	0.33	0.046	**J**
110-82-7	Cyclohexane	<0.58	4.3	0.58	<0.17	1.2	0.17	
78-87-5	1,2-Dichloropropane	<0.26	2.1	0.26	<0.055	0.45	0.055	
75-27-4	Bromodichloromethane	<0.30	2.1	0.30	<0.045	0.31	0.045	
79-01-6	Trichloroethene	<0.28	2.1	0.28	<0.052	0.39	0.052	
123-91-1	1,4-Dioxane	<0.24	2.1	0.24	<0.068	0.58	0.068	
80-62-6	Methyl Methacrylate	<0.74	4.3	0.74	<0.18	1.0	0.18	
142-82-5	n-Heptane	<0.33	2.1	0.33	<0.080	0.51	0.080	
10061-01-5	cis-1,3-Dichloropropene	<0.32	2.0	0.32	<0.071	0.44	0.071	
108-10-1	4-Methyl-2-pentanone	<0.28	2.1	0.28	<0.069	0.50	0.069	
10061-02-6	trans-1,3-Dichloropropene	<0.43	2.1	0.43	<0.094	0.45	0.094	
79-00-5	1,1,2-Trichloroethane	<0.21	2.1	0.21	<0.038	0.38	0.038	
108-88-3	Toluene	**9.1**	2.1	0.25	**2.4**	0.56	0.067	
591-78-6	2-Hexanone	**0.27**	2.1	0.26	**0.066**	0.51	0.062	**J**
124-48-1	Dibromochloromethane	<0.27	2.1	0.27	<0.032	0.25	0.032	
106-93-4	1,2-Dibromoethane	<0.24	2.1	0.24	<0.031	0.27	0.031	
123-86-4	n-Butyl Acetate	**0.44**	2.1	0.28	**0.093**	0.45	0.060	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-13.10** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-009

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00935

Initial Pressure (psig): -1.75 Final Pressure (psig): 5.41

Canister Dilution Factor: 1.55

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.48**	2.1	0.47	**0.10**	0.45	0.10	**J**
127-18-4	Tetrachloroethene	<0.27	2.0	0.27	<0.039	0.30	0.039	
108-90-7	Chlorobenzene	<0.28	2.1	0.28	<0.060	0.45	0.060	
100-41-4	Ethylbenzene	**0.98**	2.1	0.29	**0.23**	0.48	0.067	**J**
179601-23-1	m,p-Xylenes	**3.3**	4.3	0.54	**0.76**	0.98	0.12	**J**
75-25-2	Bromoform	<0.43	2.1	0.43	<0.041	0.20	0.041	
100-42-5	Styrene	<0.33	2.1	0.33	<0.078	0.48	0.078	
95-47-6	o-Xylene	**1.0**	2.1	0.30	**0.23**	0.48	0.069	**J**
111-84-2	n-Nonane	**4.1**	2.1	0.34	**0.78**	0.40	0.066	
79-34-5	1,1,2,2-Tetrachloroethane	<0.29	2.1	0.29	<0.042	0.30	0.042	
98-82-8	Cumene	<0.30	2.1	0.30	<0.061	0.43	0.061	
80-56-8	alpha-Pinene	<0.32	2.1	0.32	<0.057	0.38	0.057	
103-65-1	n-Propylbenzene	**0.41**	2.1	0.30	**0.083**	0.43	0.061	**J**
622-96-8	4-Ethyltoluene	**0.50**	2.1	0.33	**0.10**	0.43	0.067	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.46**	2.1	0.30	**0.094**	0.42	0.061	**J**
95-63-6	1,2,4-Trimethylbenzene	**1.8**	2.1	0.29	**0.36**	0.43	0.058	**J**
100-44-7	Benzyl Chloride	<0.47	4.3	0.47	<0.090	0.82	0.090	
541-73-1	1,3-Dichlorobenzene	<0.31	2.1	0.31	<0.052	0.35	0.052	
106-46-7	1,4-Dichlorobenzene	<0.32	2.1	0.32	<0.053	0.35	0.053	
95-50-1	1,2-Dichlorobenzene	<0.31	2.1	0.31	<0.051	0.35	0.051	
5989-27-5	d-Limonene	**0.53**	2.1	0.43	**0.096**	0.38	0.077	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.39	2.1	0.39	<0.040	0.21	0.040	
120-82-1	1,2,4-Trichlorobenzene	<0.50	2.1	0.50	<0.068	0.28	0.068	
91-20-3	Naphthalene	**0.62**	2.0	0.50	**0.12**	0.38	0.096	**J**
87-68-3	Hexachlorobutadiene	<0.43	2.1	0.43	<0.040	0.19	0.040	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.1** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-010

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7 - 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes: 0.040 Liter(s)
Container ID: 1SC00008

Initial Pressure (psig): -1.77 Final Pressure (psig): 6.53

Canister Dilution Factor: 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**1.7**	2.2	0.53	**0.96**	1.3	0.31	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**59**	2.2	0.36	**12**	0.44	0.072	
74-87-3	Chloromethane	**0.43**	2.2	0.35	**0.21**	1.1	0.17	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.34	2.2	0.34	<0.049	0.31	0.049	
75-01-4	Vinyl Chloride	<0.23	2.2	0.23	<0.091	0.87	0.091	
106-99-0	1,3-Butadiene	<0.36	2.2	0.36	<0.16	0.98	0.16	
74-83-9	Bromomethane	<0.30	2.2	0.30	<0.078	0.57	0.078	
75-00-3	Chloroethane	<0.27	2.2	0.27	<0.10	0.84	0.10	
64-17-5	Ethanol	**44**	21	1.5	**23**	11	0.81	
75-05-8	Acetonitrile	**1.0**	2.2	0.53	**0.59**	1.3	0.32	**J**
107-02-8	Acrolein	**4.1**	4.1	0.62	**1.8**	1.8	0.27	
67-64-1	Acetone	**33**	22	4.9	**14**	9.2	2.1	
75-69-4	Trichlorofluoromethane (CFC 11)	**1,200**	22	3.3	**220**	3.9	0.59	**D**
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.90	8.6	0.90	<0.37	3.5	0.37	
107-13-1	Acrylonitrile	<0.45	2.2	0.45	<0.21	1.0	0.21	
75-35-4	1,1-Dichloroethene	<0.30	2.2	0.30	<0.077	0.56	0.077	
75-09-2	Methylene Chloride	**0.65**	2.2	0.62	**0.19**	0.63	0.18	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.30	2.2	0.30	<0.094	0.71	0.094	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**4.1**	2.2	0.31	**0.53**	0.29	0.041	
75-15-0	Carbon Disulfide	**76**	4.5	0.66	**24**	1.4	0.21	
156-60-5	trans-1,2-Dichloroethene	<0.30	2.2	0.30	<0.077	0.56	0.077	
75-34-3	1,1-Dichloroethane	<0.32	2.3	0.32	<0.079	0.56	0.079	
1634-04-4	Methyl tert-Butyl Ether	<0.26	2.2	0.26	<0.072	0.61	0.072	
108-05-4	Vinyl Acetate	**12**	22	4.9	**3.4**	6.3	1.4	**J**
78-93-3	2-Butanone (MEK)	**7.7**	4.5	0.45	**2.6**	1.5	0.15	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.1** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-010

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7 - 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes: 0.040 Liter(s)
Container ID: 1SC00008

Initial Pressure (psig): -1.77 Final Pressure (psig): 6.53

Canister Dilution Factor: 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.31	2.2	0.31	<0.078	0.55	0.078	
141-78-6	Ethyl Acetate	**4.0**	4.5	1.1	**1.1**	1.3	0.32	**J**
110-54-3	n-Hexane	**0.47**	2.2	0.45	**0.13**	0.63	0.13	**J**
67-66-3	Chloroform	**3.7**	2.2	0.29	**0.75**	0.45	0.060	
109-99-9	Tetrahydrofuran (THF)	**0.39**	2.3	0.27	**0.13**	0.76	0.093	**J**
107-06-2	1,2-Dichloroethane	<0.24	2.2	0.24	<0.060	0.55	0.060	
71-55-6	1,1,1-Trichloroethane	**2.9**	2.2	0.27	**0.53**	0.41	0.050	
71-43-2	Benzene	<0.32	2.2	0.32	<0.099	0.68	0.099	
56-23-5	Carbon Tetrachloride	<0.30	2.2	0.30	<0.048	0.35	0.048	
110-82-7	Cyclohexane	<0.62	4.5	0.62	<0.18	1.3	0.18	
78-87-5	1,2-Dichloropropane	<0.27	2.2	0.27	<0.059	0.48	0.059	
75-27-4	Bromodichloromethane	<0.32	2.2	0.32	<0.047	0.33	0.047	
79-01-6	Trichloroethene	<0.30	2.2	0.30	<0.055	0.41	0.055	
123-91-1	1,4-Dioxane	**1.6**	2.2	0.26	**0.44**	0.61	0.072	**J**
80-62-6	Methyl Methacrylate	<0.78	4.5	0.78	<0.19	1.1	0.19	
142-82-5	n-Heptane	**0.36**	2.2	0.35	**0.088**	0.54	0.085	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.34	2.1	0.34	<0.075	0.47	0.075	
108-10-1	4-Methyl-2-pentanone	**0.47**	2.2	0.30	**0.12**	0.53	0.073	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.45	2.2	0.45	<0.099	0.48	0.099	
79-00-5	1,1,2-Trichloroethane	<0.22	2.2	0.22	<0.041	0.41	0.041	
108-88-3	Toluene	**4.2**	2.2	0.27	**1.1**	0.59	0.071	
591-78-6	2-Hexanone	**1.4**	2.2	0.27	**0.34**	0.54	0.066	**J**
124-48-1	Dibromochloromethane	<0.29	2.2	0.29	<0.034	0.26	0.034	
106-93-4	1,2-Dibromoethane	<0.25	2.2	0.25	<0.033	0.29	0.033	
123-86-4	n-Butyl Acetate	**1.2**	2.3	0.30	**0.24**	0.47	0.063	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.1** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-010

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7 - 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes: 0.040 Liter(s)
Container ID: 1SC00008

Initial Pressure (psig): -1.77 Final Pressure (psig): 6.53

Canister Dilution Factor: 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.51**	2.2	0.49	**0.11**	0.47	0.11	**J**
127-18-4	Tetrachloroethene	**67**	2.1	0.28	**9.8**	0.31	0.042	
108-90-7	Chlorobenzene	<0.29	2.2	0.29	<0.063	0.48	0.063	
100-41-4	Ethylbenzene	**0.77**	2.2	0.31	**0.18**	0.51	0.071	**J**
179601-23-1	m,p-Xylenes	**2.4**	4.5	0.57	**0.55**	1.0	0.13	**J**
75-25-2	Bromoform	<0.45	2.2	0.45	<0.044	0.21	0.044	
100-42-5	Styrene	<0.35	2.2	0.35	<0.083	0.51	0.083	
95-47-6	o-Xylene	**0.67**	2.2	0.32	**0.15**	0.51	0.073	**J**
111-84-2	n-Nonane	**2.6**	2.2	0.36	**0.49**	0.42	0.070	
79-34-5	1,1,2,2-Tetrachloroethane	<0.30	2.2	0.30	<0.044	0.32	0.044	
98-82-8	Cumene	<0.32	2.2	0.32	<0.064	0.45	0.064	
80-56-8	alpha-Pinene	<0.34	2.2	0.34	<0.060	0.40	0.060	
103-65-1	n-Propylbenzene	<0.32	2.2	0.32	<0.064	0.45	0.064	
622-96-8	4-Ethyltoluene	<0.35	2.2	0.35	<0.071	0.45	0.071	
108-67-8	1,3,5-Trimethylbenzene	<0.32	2.2	0.32	<0.064	0.44	0.064	
95-63-6	1,2,4-Trimethylbenzene	**0.93**	2.2	0.30	**0.19**	0.45	0.062	**J**
100-44-7	Benzyl Chloride	<0.49	4.5	0.49	<0.095	0.87	0.095	
541-73-1	1,3-Dichlorobenzene	<0.33	2.2	0.33	<0.055	0.37	0.055	
106-46-7	1,4-Dichlorobenzene	<0.34	2.2	0.34	<0.056	0.37	0.056	
95-50-1	1,2-Dichlorobenzene	<0.32	2.2	0.32	<0.054	0.37	0.054	
5989-27-5	d-Limonene	<0.45	2.2	0.45	<0.081	0.40	0.081	
96-12-8	1,2-Dibromo-3-chloropropane	<0.41	2.2	0.41	<0.042	0.22	0.042	
120-82-1	1,2,4-Trichlorobenzene	<0.53	2.2	0.53	<0.072	0.30	0.072	
91-20-3	Naphthalene	<0.53	2.1	0.53	<0.10	0.41	0.10	
87-68-3	Hexachlorobutadiene	<0.45	2.2	0.45	<0.042	0.20	0.042	

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.30** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-011

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00988

Initial Pressure (psig): -2.02 Final Pressure (psig): 5.42

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.52	2.1	0.52	<0.30	1.2	0.30	
75-71-8	Dichlorodifluoromethane (CFC 12)	**5.2**	2.1	0.35	**1.1**	0.43	0.070	
74-87-3	Chloromethane	<0.34	2.1	0.34	<0.17	1.0	0.17	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.33	2.1	0.33	<0.048	0.30	0.048	
75-01-4	Vinyl Chloride	<0.23	2.1	0.23	<0.089	0.84	0.089	
106-99-0	1,3-Butadiene	<0.35	2.1	0.35	<0.16	0.95	0.16	
74-83-9	Bromomethane	<0.29	2.1	0.29	<0.076	0.55	0.076	
75-00-3	Chloroethane	<0.26	2.1	0.26	<0.099	0.81	0.099	
64-17-5	Ethanol	**72**	21	1.5	**38**	11	0.78	
75-05-8	Acetonitrile	**0.58**	2.1	0.52	**0.35**	1.3	0.31	**J**
107-02-8	Acrolein	<0.60	4.0	0.60	<0.26	1.7	0.26	
67-64-1	Acetone	**5.7**	21	4.8	**2.4**	8.9	2.0	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**160**	2.1	0.32	**28**	0.38	0.057	
67-63-0	2-Propanol (Isopropyl Alcohol)	**1.7**	8.3	0.87	**0.70**	3.4	0.36	**J**
107-13-1	Acrylonitrile	<0.44	2.1	0.44	<0.20	0.97	0.20	
75-35-4	1,1-Dichloroethene	<0.29	2.1	0.29	<0.074	0.54	0.074	
75-09-2	Methylene Chloride	<0.60	2.1	0.60	<0.17	0.61	0.17	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.29	2.1	0.29	<0.091	0.69	0.091	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.86**	2.1	0.30	**0.11**	0.28	0.039	**J**
75-15-0	Carbon Disulfide	**3.9**	4.4	0.64	**1.3**	1.4	0.20	**J**
156-60-5	trans-1,2-Dichloroethene	<0.29	2.1	0.29	<0.074	0.54	0.074	
75-34-3	1,1-Dichloroethane	<0.31	2.2	0.31	<0.077	0.54	0.077	
1634-04-4	Methyl tert-Butyl Ether	<0.25	2.1	0.25	<0.069	0.60	0.069	
108-05-4	Vinyl Acetate	<4.8	21	4.8	<1.4	6.1	1.4	
78-93-3	2-Butanone (MEK)	**1.7**	4.4	0.44	**0.59**	1.5	0.15	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.30** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-011

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00988

Initial Pressure (psig): -2.02 Final Pressure (psig): 5.42

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.30	2.1	0.30	<0.075	0.53	0.075	
141-78-6	Ethyl Acetate	<1.1	4.4	1.1	<0.31	1.2	0.31	
110-54-3	n-Hexane	<0.44	2.1	0.44	<0.12	0.61	0.12	
67-66-3	Chloroform	**2.0**	2.1	0.28	**0.40**	0.44	0.058	**J**
109-99-9	Tetrahydrofuran (THF)	<0.27	2.2	0.27	<0.090	0.74	0.090	
107-06-2	1,2-Dichloroethane	<0.23	2.1	0.23	<0.058	0.53	0.058	
71-55-6	1,1,1-Trichloroethane	<0.26	2.1	0.26	<0.048	0.39	0.048	
71-43-2	Benzene	<0.31	2.1	0.31	<0.096	0.66	0.096	
56-23-5	Carbon Tetrachloride	<0.29	2.1	0.29	<0.047	0.34	0.047	
110-82-7	Cyclohexane	<0.60	4.4	0.60	<0.17	1.3	0.17	
78-87-5	1,2-Dichloropropane	<0.26	2.1	0.26	<0.057	0.46	0.057	
75-27-4	Bromodichloromethane	<0.31	2.1	0.31	<0.046	0.32	0.046	
79-01-6	Trichloroethene	<0.29	2.1	0.29	<0.053	0.40	0.053	
123-91-1	1,4-Dioxane	<0.25	2.1	0.25	<0.070	0.60	0.070	
80-62-6	Methyl Methacrylate	<0.76	4.4	0.76	<0.18	1.1	0.18	
142-82-5	n-Heptane	<0.34	2.1	0.34	<0.082	0.52	0.082	
10061-01-5	cis-1,3-Dichloropropene	<0.33	2.1	0.33	<0.073	0.46	0.073	
108-10-1	4-Methyl-2-pentanone	<0.29	2.1	0.29	<0.071	0.51	0.071	
10061-02-6	trans-1,3-Dichloropropene	<0.44	2.1	0.44	<0.096	0.46	0.096	
79-00-5	1,1,2-Trichloroethane	<0.21	2.1	0.21	<0.039	0.39	0.039	
108-88-3	Toluene	**0.60**	2.1	0.26	**0.16**	0.57	0.069	**J**
591-78-6	2-Hexanone	<0.26	2.1	0.26	<0.064	0.52	0.064	
124-48-1	Dibromochloromethane	<0.28	2.1	0.28	<0.033	0.25	0.033	
106-93-4	1,2-Dibromoethane	<0.25	2.1	0.25	<0.032	0.28	0.032	
123-86-4	n-Butyl Acetate	<0.29	2.2	0.29	<0.061	0.46	0.061	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.30** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-011

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00988

Initial Pressure (psig): -2.02 Final Pressure (psig): 5.42

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.48	2.1	0.48	<0.10	0.46	0.10	
127-18-4	Tetrachloroethene	**4.0**	2.1	0.27	**0.59**	0.30	0.040	
108-90-7	Chlorobenzene	<0.28	2.1	0.28	<0.061	0.47	0.061	
100-41-4	Ethylbenzene	<0.30	2.1	0.30	<0.069	0.49	0.069	
179601-23-1	m,p-Xylenes	<0.56	4.4	0.56	<0.13	1.0	0.13	
75-25-2	Bromoform	<0.44	2.1	0.44	<0.042	0.21	0.042	
100-42-5	Styrene	<0.34	2.1	0.34	<0.080	0.50	0.080	
95-47-6	o-Xylene	<0.31	2.1	0.31	<0.070	0.49	0.070	
111-84-2	n-Nonane	**1.4**	2.1	0.35	**0.27**	0.41	0.067	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.29	2.1	0.29	<0.043	0.31	0.043	
98-82-8	Cumene	<0.31	2.1	0.31	<0.062	0.44	0.062	
80-56-8	alpha-Pinene	<0.33	2.1	0.33	<0.059	0.39	0.059	
103-65-1	n-Propylbenzene	<0.31	2.1	0.31	<0.062	0.44	0.062	
622-96-8	4-Ethyltoluene	<0.34	2.1	0.34	<0.069	0.44	0.069	
108-67-8	1,3,5-Trimethylbenzene	<0.31	2.1	0.31	<0.062	0.43	0.062	
95-63-6	1,2,4-Trimethylbenzene	**0.32**	2.1	0.29	**0.065**	0.44	0.060	**J**
100-44-7	Benzyl Chloride	<0.48	4.4	0.48	<0.092	0.84	0.092	
541-73-1	1,3-Dichlorobenzene	<0.32	2.1	0.32	<0.053	0.36	0.053	
106-46-7	1,4-Dichlorobenzene	<0.33	2.1	0.33	<0.054	0.36	0.054	
95-50-1	1,2-Dichlorobenzene	<0.31	2.1	0.31	<0.052	0.36	0.052	
5989-27-5	d-Limonene	<0.44	2.1	0.44	<0.079	0.39	0.079	
96-12-8	1,2-Dibromo-3-chloropropane	<0.40	2.1	0.40	<0.041	0.22	0.041	
120-82-1	1,2,4-Trichlorobenzene	<0.52	2.1	0.52	<0.070	0.29	0.070	
91-20-3	Naphthalene	<0.52	2.1	0.52	<0.099	0.39	0.099	
87-68-3	Hexachlorobutadiene	<0.44	2.1	0.44	<0.041	0.20	0.041	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.21** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-012

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01343

Initial Pressure (psig): -1.34 Final Pressure (psig): 5.63

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.49	2.0	0.49	<0.29	1.2	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.5**	2.0	0.33	**0.50**	0.41	0.067	
74-87-3	Chloromethane	<0.33	2.0	0.33	<0.16	0.98	0.16	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.32	2.0	0.32	<0.046	0.29	0.046	
75-01-4	Vinyl Chloride	<0.22	2.1	0.22	<0.085	0.80	0.085	
106-99-0	1,3-Butadiene	<0.33	2.0	0.33	<0.15	0.91	0.15	
74-83-9	Bromomethane	<0.28	2.1	0.28	<0.072	0.53	0.072	
75-00-3	Chloroethane	<0.25	2.1	0.25	<0.095	0.78	0.095	
64-17-5	Ethanol	**160**	20	1.4	**87**	10	0.75	
75-05-8	Acetonitrile	**0.57**	2.0	0.49	**0.34**	1.2	0.29	**J**
107-02-8	Acrolein	**1.1**	3.8	0.57	**0.50**	1.7	0.25	**J**
67-64-1	Acetone	**16**	20	4.6	**6.6**	8.5	1.9	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**7.9**	2.0	0.31	**1.4**	0.36	0.055	
67-63-0	2-Propanol (Isopropyl Alcohol)	**5.5**	8.0	0.84	**2.3**	3.2	0.34	**J**
107-13-1	Acrylonitrile	<0.42	2.0	0.42	<0.19	0.93	0.19	
75-35-4	1,1-Dichloroethene	<0.28	2.1	0.28	<0.071	0.52	0.071	
75-09-2	Methylene Chloride	**1.0**	2.0	0.57	**0.30**	0.58	0.16	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.27	2.1	0.27	<0.087	0.66	0.087	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**1.7**	2.1	0.29	**0.22**	0.27	0.038	**J**
75-15-0	Carbon Disulfide	<0.61	4.2	0.61	<0.20	1.3	0.20	
156-60-5	trans-1,2-Dichloroethene	**1.5**	2.1	0.28	**0.38**	0.52	0.071	**J**
75-34-3	1,1-Dichloroethane	<0.30	2.1	0.30	<0.073	0.52	0.073	
1634-04-4	Methyl tert-Butyl Ether	<0.24	2.1	0.24	<0.066	0.57	0.066	
108-05-4	Vinyl Acetate	<4.6	21	4.6	<1.3	5.8	1.3	
78-93-3	2-Butanone (MEK)	**2.3**	4.2	0.42	**0.77**	1.4	0.14	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.21** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-012

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01343

Initial Pressure (psig): -1.34 Final Pressure (psig): 5.63

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.29	2.0	0.29	<0.072	0.51	0.072	
141-78-6	Ethyl Acetate	**1.5**	4.2	1.1	**0.42**	1.2	0.30	**J**
110-54-3	n-Hexane	**1.6**	2.1	0.42	**0.45**	0.58	0.12	**J**
67-66-3	Chloroform	**7.9**	2.1	0.27	**1.6**	0.42	0.055	
109-99-9	Tetrahydrofuran (THF)	<0.25	2.1	0.25	<0.086	0.71	0.086	
107-06-2	1,2-Dichloroethane	<0.22	2.1	0.22	<0.055	0.51	0.055	
71-55-6	1,1,1-Trichloroethane	<0.25	2.1	0.25	<0.046	0.38	0.046	
71-43-2	Benzene	<0.29	2.0	0.29	<0.092	0.63	0.092	
56-23-5	Carbon Tetrachloride	<0.28	2.0	0.28	<0.045	0.32	0.045	
110-82-7	Cyclohexane	**3.6**	4.2	0.57	**1.1**	1.2	0.17	**J**
78-87-5	1,2-Dichloropropane	<0.25	2.1	0.25	<0.054	0.44	0.054	
75-27-4	Bromodichloromethane	<0.29	2.1	0.29	<0.044	0.31	0.044	
79-01-6	Trichloroethene	<0.27	2.1	0.27	<0.051	0.38	0.051	
123-91-1	1,4-Dioxane	<0.24	2.1	0.24	<0.066	0.57	0.066	
80-62-6	Methyl Methacrylate	<0.72	4.2	0.72	<0.18	1.0	0.18	
142-82-5	n-Heptane	**1.0**	2.1	0.32	**0.25**	0.50	0.079	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.32	2.0	0.32	<0.070	0.44	0.070	
108-10-1	4-Methyl-2-pentanone	<0.28	2.0	0.28	<0.068	0.49	0.068	
10061-02-6	trans-1,3-Dichloropropene	<0.42	2.0	0.42	<0.092	0.44	0.092	
79-00-5	1,1,2-Trichloroethane	<0.21	2.1	0.21	<0.038	0.38	0.038	
108-88-3	Toluene	**18**	2.1	0.25	**4.6**	0.54	0.066	
591-78-6	2-Hexanone	<0.25	2.1	0.25	<0.061	0.50	0.061	
124-48-1	Dibromochloromethane	<0.27	2.1	0.27	<0.031	0.24	0.031	
106-93-4	1,2-Dibromoethane	<0.24	2.1	0.24	<0.031	0.27	0.031	
123-86-4	n-Butyl Acetate	**12**	2.1	0.28	**2.4**	0.44	0.058	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.21** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-012

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01343

Initial Pressure (psig): -1.34 Final Pressure (psig): 5.63

Canister Dilution Factor: 1.52

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.79**	2.1	0.46	**0.17**	0.44	0.098	**J**
127-18-4	Tetrachloroethene	**1.3**	2.0	0.26	**0.19**	0.29	0.039	**J**
108-90-7	Chlorobenzene	<0.27	2.1	0.27	<0.059	0.45	0.059	
100-41-4	Ethylbenzene	**0.80**	2.1	0.29	**0.18**	0.47	0.066	**J**
179601-23-1	m,p-Xylenes	**2.8**	4.2	0.53	**0.64**	0.96	0.12	**J**
75-25-2	Bromoform	<0.42	2.1	0.42	<0.040	0.20	0.040	
100-42-5	Styrene	<0.33	2.0	0.33	<0.077	0.47	0.077	
95-47-6	o-Xylene	**0.92**	2.1	0.29	**0.21**	0.47	0.067	**J**
111-84-2	n-Nonane	**4.4**	2.1	0.34	**0.83**	0.39	0.064	
79-34-5	1,1,2,2-Tetrachloroethane	<0.28	2.1	0.28	<0.041	0.30	0.041	
98-82-8	Cumene	<0.29	2.1	0.29	<0.060	0.42	0.060	
80-56-8	alpha-Pinene	**1.1**	2.1	0.31	**0.19**	0.37	0.056	**J**
103-65-1	n-Propylbenzene	**0.36**	2.1	0.29	**0.073**	0.42	0.060	**J**
622-96-8	4-Ethyltoluene	**0.44**	2.1	0.32	**0.089**	0.42	0.066	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.35**	2.0	0.29	**0.070**	0.41	0.060	**J**
95-63-6	1,2,4-Trimethylbenzene	**1.3**	2.1	0.28	**0.26**	0.42	0.057	**J**
100-44-7	Benzyl Chloride	<0.46	4.2	0.46	<0.088	0.81	0.088	
541-73-1	1,3-Dichlorobenzene	<0.30	2.1	0.30	<0.051	0.34	0.051	
106-46-7	1,4-Dichlorobenzene	<0.31	2.1	0.31	<0.052	0.34	0.052	
95-50-1	1,2-Dichlorobenzene	<0.30	2.1	0.30	<0.050	0.34	0.050	
5989-27-5	d-Limonene	**0.55**	2.1	0.42	**0.099**	0.37	0.075	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.38	2.0	0.38	<0.039	0.21	0.039	
120-82-1	1,2,4-Trichlorobenzene	<0.49	2.1	0.49	<0.067	0.28	0.067	
91-20-3	Naphthalene	**0.62**	2.0	0.49	**0.12**	0.38	0.094	**J**
87-68-3	Hexachlorobutadiene	<0.42	2.0	0.42	<0.039	0.19	0.039	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.18** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-013

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00131

Initial Pressure (psig): -1.96 Final Pressure (psig): 6.18

Canister Dilution Factor: 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.53	2.2	0.53	<0.31	1.3	0.31	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.2**	2.2	0.36	**0.45**	0.44	0.072	
74-87-3	Chloromethane	**1.2**	2.2	0.35	**0.60**	1.1	0.17	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.34	2.2	0.34	<0.049	0.31	0.049	
75-01-4	Vinyl Chloride	<0.23	2.2	0.23	<0.091	0.87	0.091	
106-99-0	1,3-Butadiene	<0.36	2.2	0.36	<0.16	0.98	0.16	
74-83-9	Bromomethane	<0.30	2.2	0.30	<0.078	0.57	0.078	
75-00-3	Chloroethane	**0.60**	2.2	0.27	**0.23**	0.84	0.10	**J**
64-17-5	Ethanol	**1,500**	21	1.5	**800**	11	0.81	
75-05-8	Acetonitrile	**1.2**	2.2	0.53	**0.71**	1.3	0.32	**J**
107-02-8	Acrolein	**5.0**	4.1	0.62	**2.2**	1.8	0.27	
67-64-1	Acetone	**52**	22	4.9	**22**	9.2	2.1	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.7**	2.2	0.33	**0.30**	0.39	0.059	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**23**	8.6	0.90	**9.5**	3.5	0.37	
107-13-1	Acrylonitrile	<0.45	2.2	0.45	<0.21	1.0	0.21	
75-35-4	1,1-Dichloroethene	<0.30	2.2	0.30	<0.077	0.56	0.077	
75-09-2	Methylene Chloride	**7.9**	2.2	0.62	**2.3**	0.63	0.18	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.30	2.2	0.30	<0.094	0.71	0.094	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.43**	2.2	0.31	**0.056**	0.29	0.041	**J**
75-15-0	Carbon Disulfide	**9.4**	4.5	0.66	**3.0**	1.4	0.21	
156-60-5	trans-1,2-Dichloroethene	**0.48**	2.2	0.30	**0.12**	0.56	0.077	**J**
75-34-3	1,1-Dichloroethane	<0.32	2.3	0.32	<0.079	0.56	0.079	
1634-04-4	Methyl tert-Butyl Ether	<0.26	2.2	0.26	<0.072	0.61	0.072	
108-05-4	Vinyl Acetate	**23**	22	4.9	**6.6**	6.3	1.4	
78-93-3	2-Butanone (MEK)	**11**	4.5	0.45	**3.7**	1.5	0.15	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.18** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-013

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00131

Initial Pressure (psig): -1.96 Final Pressure (psig): 6.18

Canister Dilution Factor: 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.31	2.2	0.31	<0.078	0.55	0.078	
141-78-6	Ethyl Acetate	**21**	4.5	1.1	**5.9**	1.3	0.32	
110-54-3	n-Hexane	**1.7**	2.2	0.45	**0.47**	0.63	0.13	**J**
67-66-3	Chloroform	**1.4**	2.2	0.29	**0.29**	0.45	0.060	**J**
109-99-9	Tetrahydrofuran (THF)	**0.57**	2.3	0.27	**0.19**	0.76	0.093	**J**
107-06-2	1,2-Dichloroethane	<0.24	2.2	0.24	<0.060	0.55	0.060	
71-55-6	1,1,1-Trichloroethane	<0.27	2.2	0.27	<0.050	0.41	0.050	
71-43-2	Benzene	**0.66**	2.2	0.32	**0.21**	0.68	0.099	**J**
56-23-5	Carbon Tetrachloride	<0.30	2.2	0.30	<0.048	0.35	0.048	
110-82-7	Cyclohexane	**9.6**	4.5	0.62	**2.8**	1.3	0.18	
78-87-5	1,2-Dichloropropane	<0.27	2.2	0.27	<0.059	0.48	0.059	
75-27-4	Bromodichloromethane	<0.32	2.2	0.32	<0.047	0.33	0.047	
79-01-6	Trichloroethene	<0.30	2.2	0.30	<0.055	0.41	0.055	
123-91-1	1,4-Dioxane	**0.75**	2.2	0.26	**0.21**	0.61	0.072	**J**
80-62-6	Methyl Methacrylate	<0.78	4.5	0.78	<0.19	1.1	0.19	
142-82-5	n-Heptane	**0.87**	2.2	0.35	**0.21**	0.54	0.085	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.34	2.1	0.34	<0.075	0.47	0.075	
108-10-1	4-Methyl-2-pentanone	**0.53**	2.2	0.30	**0.13**	0.53	0.073	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.45	2.2	0.45	<0.099	0.48	0.099	
79-00-5	1,1,2-Trichloroethane	<0.22	2.2	0.22	<0.041	0.41	0.041	
108-88-3	Toluene	**51**	2.2	0.27	**13**	0.59	0.071	
591-78-6	2-Hexanone	**1.6**	2.2	0.27	**0.39**	0.54	0.066	**J**
124-48-1	Dibromochloromethane	<0.29	2.2	0.29	<0.034	0.26	0.034	
106-93-4	1,2-Dibromoethane	<0.25	2.2	0.25	<0.033	0.29	0.033	
123-86-4	n-Butyl Acetate	**3.4**	2.3	0.30	**0.73**	0.47	0.063	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.18** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-013

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00131

Initial Pressure (psig): -1.96 Final Pressure (psig): 6.18

Canister Dilution Factor: 1.64

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.84**	2.2	0.49	**0.18**	0.47	0.11	**J**
127-18-4	Tetrachloroethene	**0.62**	2.1	0.28	**0.092**	0.31	0.042	**J**
108-90-7	Chlorobenzene	<0.29	2.2	0.29	<0.063	0.48	0.063	
100-41-4	Ethylbenzene	**1.5**	2.2	0.31	**0.35**	0.51	0.071	**J**
179601-23-1	m,p-Xylenes	**5.1**	4.5	0.57	**1.2**	1.0	0.13	
75-25-2	Bromoform	<0.45	2.2	0.45	<0.044	0.21	0.044	
100-42-5	Styrene	<0.35	2.2	0.35	<0.083	0.51	0.083	
95-47-6	o-Xylene	**1.5**	2.2	0.32	**0.35**	0.51	0.073	**J**
111-84-2	n-Nonane	**2.5**	2.2	0.36	**0.47**	0.42	0.070	
79-34-5	1,1,2,2-Tetrachloroethane	<0.30	2.2	0.30	<0.044	0.32	0.044	
98-82-8	Cumene	<0.32	2.2	0.32	<0.064	0.45	0.064	
80-56-8	alpha-Pinene	<0.34	2.2	0.34	<0.060	0.40	0.060	
103-65-1	n-Propylbenzene	<0.32	2.2	0.32	<0.064	0.45	0.064	
622-96-8	4-Ethyltoluene	<0.35	2.2	0.35	<0.071	0.45	0.071	
108-67-8	1,3,5-Trimethylbenzene	<0.32	2.2	0.32	<0.064	0.44	0.064	
95-63-6	1,2,4-Trimethylbenzene	**1.0**	2.2	0.30	**0.21**	0.45	0.062	**J**
100-44-7	Benzyl Chloride	<0.49	4.5	0.49	<0.095	0.87	0.095	
541-73-1	1,3-Dichlorobenzene	<0.33	2.2	0.33	<0.055	0.37	0.055	
106-46-7	1,4-Dichlorobenzene	<0.34	2.2	0.34	<0.056	0.37	0.056	
95-50-1	1,2-Dichlorobenzene	<0.32	2.2	0.32	<0.054	0.37	0.054	
5989-27-5	d-Limonene	<0.45	2.2	0.45	<0.081	0.40	0.081	
96-12-8	1,2-Dibromo-3-chloropropane	<0.41	2.2	0.41	<0.042	0.22	0.042	
120-82-1	1,2,4-Trichlorobenzene	<0.53	2.2	0.53	<0.072	0.30	0.072	
91-20-3	Naphthalene	<0.53	2.1	0.53	<0.10	0.41	0.10	
87-68-3	Hexachlorobutadiene	<0.45	2.2	0.45	<0.042	0.20	0.042	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.36** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-014

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00900

Initial Pressure (psig): -2.01 Final Pressure (psig): 5.47

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**1.2**	2.1	0.52	**0.68**	1.2	0.30	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	2.1	0.35	**0.46**	0.43	0.070	
74-87-3	Chloromethane	<0.34	2.1	0.34	<0.17	1.0	0.17	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.33	2.1	0.33	<0.048	0.30	0.048	
75-01-4	Vinyl Chloride	<0.23	2.1	0.23	<0.089	0.84	0.089	
106-99-0	1,3-Butadiene	<0.35	2.1	0.35	<0.16	0.95	0.16	
74-83-9	Bromomethane	<0.29	2.1	0.29	<0.076	0.55	0.076	
75-00-3	Chloroethane	<0.26	2.1	0.26	<0.099	0.81	0.099	
64-17-5	Ethanol	**57**	21	1.5	**30**	11	0.78	
75-05-8	Acetonitrile	<0.52	2.1	0.52	<0.31	1.3	0.31	
107-02-8	Acrolein	**1.1**	4.0	0.60	**0.49**	1.7	0.26	**J**
67-64-1	Acetone	**14**	21	4.8	**6.1**	8.9	2.0	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.4**	2.1	0.32	**0.24**	0.38	0.057	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**2.3**	8.3	0.87	**0.92**	3.4	0.36	**J**
107-13-1	Acrylonitrile	<0.44	2.1	0.44	<0.20	0.97	0.20	
75-35-4	1,1-Dichloroethene	<0.29	2.1	0.29	<0.074	0.54	0.074	
75-09-2	Methylene Chloride	<0.60	2.1	0.60	<0.17	0.61	0.17	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.29	2.1	0.29	<0.091	0.69	0.091	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.48**	2.1	0.30	**0.063**	0.28	0.039	**J**
75-15-0	Carbon Disulfide	**3.9**	4.4	0.64	**1.2**	1.4	0.20	**J**
156-60-5	trans-1,2-Dichloroethene	<0.29	2.1	0.29	<0.074	0.54	0.074	
75-34-3	1,1-Dichloroethane	<0.31	2.2	0.31	<0.077	0.54	0.077	
1634-04-4	Methyl tert-Butyl Ether	<0.25	2.1	0.25	<0.069	0.60	0.069	
108-05-4	Vinyl Acetate	<4.8	21	4.8	<1.4	6.1	1.4	
78-93-3	2-Butanone (MEK)	**7.4**	4.4	0.44	**2.5**	1.5	0.15	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.36** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-014

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00900

Initial Pressure (psig): -2.01 Final Pressure (psig): 5.47

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.30	2.1	0.30	<0.075	0.53	0.075	
141-78-6	Ethyl Acetate	<1.1	4.4	1.1	<0.31	1.2	0.31	
110-54-3	n-Hexane	<0.44	2.1	0.44	<0.12	0.61	0.12	
67-66-3	Chloroform	**12**	2.1	0.28	**2.4**	0.44	0.058	
109-99-9	Tetrahydrofuran (THF)	<0.27	2.2	0.27	<0.090	0.74	0.090	
107-06-2	1,2-Dichloroethane	<0.23	2.1	0.23	<0.058	0.53	0.058	
71-55-6	1,1,1-Trichloroethane	<0.26	2.1	0.26	<0.048	0.39	0.048	
71-43-2	Benzene	**0.51**	2.1	0.31	**0.16**	0.66	0.096	**J**
56-23-5	Carbon Tetrachloride	<0.29	2.1	0.29	<0.047	0.34	0.047	
110-82-7	Cyclohexane	<0.60	4.4	0.60	<0.17	1.3	0.17	
78-87-5	1,2-Dichloropropane	<0.26	2.1	0.26	<0.057	0.46	0.057	
75-27-4	Bromodichloromethane	**0.47**	2.1	0.31	**0.069**	0.32	0.046	**J**
79-01-6	Trichloroethene	<0.29	2.1	0.29	<0.053	0.40	0.053	
123-91-1	1,4-Dioxane	<0.25	2.1	0.25	<0.070	0.60	0.070	
80-62-6	Methyl Methacrylate	<0.76	4.4	0.76	<0.18	1.1	0.18	
142-82-5	n-Heptane	<0.34	2.1	0.34	<0.082	0.52	0.082	
10061-01-5	cis-1,3-Dichloropropene	<0.33	2.1	0.33	<0.073	0.46	0.073	
108-10-1	4-Methyl-2-pentanone	<0.29	2.1	0.29	<0.071	0.51	0.071	
10061-02-6	trans-1,3-Dichloropropene	<0.44	2.1	0.44	<0.096	0.46	0.096	
79-00-5	1,1,2-Trichloroethane	<0.21	2.1	0.21	<0.039	0.39	0.039	
108-88-3	Toluene	**1.8**	2.1	0.26	**0.47**	0.57	0.069	**J**
591-78-6	2-Hexanone	**3.2**	2.1	0.26	**0.79**	0.52	0.064	
124-48-1	Dibromochloromethane	<0.28	2.1	0.28	<0.033	0.25	0.033	
106-93-4	1,2-Dibromoethane	<0.25	2.1	0.25	<0.032	0.28	0.032	
123-86-4	n-Butyl Acetate	<0.29	2.2	0.29	<0.061	0.46	0.061	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-15.36** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-014

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00900

Initial Pressure (psig): -2.01 Final Pressure (psig): 5.47

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.73**	2.1	0.48	**0.16**	0.46	0.10	**J**
127-18-4	Tetrachloroethene	<0.27	2.1	0.27	<0.040	0.30	0.040	
108-90-7	Chlorobenzene	<0.28	2.1	0.28	<0.061	0.47	0.061	
100-41-4	Ethylbenzene	**0.62**	2.1	0.30	**0.14**	0.49	0.069	**J**
179601-23-1	m,p-Xylenes	**2.0**	4.4	0.56	**0.46**	1.0	0.13	**J**
75-25-2	Bromoform	<0.44	2.1	0.44	<0.042	0.21	0.042	
100-42-5	Styrene	<0.34	2.1	0.34	<0.080	0.50	0.080	
95-47-6	o-Xylene	**0.61**	2.1	0.31	**0.14**	0.49	0.070	**J**
111-84-2	n-Nonane	**2.4**	2.1	0.35	**0.46**	0.41	0.067	
79-34-5	1,1,2,2-Tetrachloroethane	<0.29	2.1	0.29	<0.043	0.31	0.043	
98-82-8	Cumene	<0.31	2.1	0.31	<0.062	0.44	0.062	
80-56-8	alpha-Pinene	<0.33	2.1	0.33	<0.059	0.39	0.059	
103-65-1	n-Propylbenzene	**0.35**	2.1	0.31	**0.071**	0.44	0.062	**J**
622-96-8	4-Ethyltoluene	<0.34	2.1	0.34	<0.069	0.44	0.069	
108-67-8	1,3,5-Trimethylbenzene	<0.31	2.1	0.31	<0.062	0.43	0.062	
95-63-6	1,2,4-Trimethylbenzene	**1.1**	2.1	0.29	**0.23**	0.44	0.060	**J**
100-44-7	Benzyl Chloride	<0.48	4.4	0.48	<0.092	0.84	0.092	
541-73-1	1,3-Dichlorobenzene	<0.32	2.1	0.32	<0.053	0.36	0.053	
106-46-7	1,4-Dichlorobenzene	<0.33	2.1	0.33	<0.054	0.36	0.054	
95-50-1	1,2-Dichlorobenzene	<0.31	2.1	0.31	<0.052	0.36	0.052	
5989-27-5	d-Limonene	**1.1**	2.1	0.44	**0.20**	0.39	0.079	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.40	2.1	0.40	<0.041	0.22	0.041	
120-82-1	1,2,4-Trichlorobenzene	<0.52	2.1	0.52	<0.070	0.29	0.070	
91-20-3	Naphthalene	<0.52	2.1	0.52	<0.099	0.39	0.099	
87-68-3	Hexachlorobutadiene	<0.44	2.1	0.44	<0.041	0.20	0.041	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.6** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-015

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00507

Initial Pressure (psig): -0.20 Final Pressure (psig): 7.61

Canister Dilution Factor: 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.50	2.0	0.50	<0.29	1.2	0.29	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	2.0	0.33	**0.47**	0.41	0.068	
74-87-3	Chloromethane	<0.33	2.0	0.33	<0.16	0.99	0.16	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.32	2.0	0.32	<0.046	0.29	0.046	
75-01-4	Vinyl Chloride	<0.22	2.1	0.22	<0.086	0.81	0.086	
106-99-0	1,3-Butadiene	<0.34	2.0	0.34	<0.15	0.92	0.15	
74-83-9	Bromomethane	<0.28	2.1	0.28	<0.073	0.54	0.073	
75-00-3	Chloroethane	<0.25	2.1	0.25	<0.096	0.79	0.096	
64-17-5	Ethanol	**140**	20	1.4	**74**	11	0.76	
75-05-8	Acetonitrile	**0.56**	2.0	0.50	**0.33**	1.2	0.30	**J**
107-02-8	Acrolein	**3.2**	3.9	0.58	**1.4**	1.7	0.25	**J**
67-64-1	Acetone	**61**	20	4.6	**26**	8.6	1.9	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.7**	2.0	0.31	**0.31**	0.36	0.056	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**20**	8.1	0.85	**8.1**	3.3	0.34	
107-13-1	Acrylonitrile	**0.47**	2.0	0.42	**0.22**	0.94	0.20	**J**
75-35-4	1,1-Dichloroethene	<0.28	2.1	0.28	<0.072	0.52	0.072	
75-09-2	Methylene Chloride	**2.1**	2.0	0.58	**0.60**	0.59	0.17	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.28	2.1	0.28	<0.089	0.66	0.089	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.45**	2.1	0.29	**0.059**	0.27	0.038	**J**
75-15-0	Carbon Disulfide	**2.8**	4.2	0.62	**0.89**	1.4	0.20	**J**
156-60-5	trans-1,2-Dichloroethene	**6.7**	2.1	0.28	**1.7**	0.52	0.072	
75-34-3	1,1-Dichloroethane	<0.30	2.1	0.30	<0.074	0.52	0.074	
1634-04-4	Methyl tert-Butyl Ether	<0.24	2.1	0.24	<0.067	0.58	0.067	
108-05-4	Vinyl Acetate	<4.6	21	4.6	<1.3	5.9	1.3	
78-93-3	2-Butanone (MEK)	**5.0**	4.2	0.42	**1.7**	1.4	0.14	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.6** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-015

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00507

Initial Pressure (psig): -0.20 Final Pressure (psig): 7.61

Canister Dilution Factor: 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.29	2.0	0.29	<0.073	0.51	0.073	
141-78-6	Ethyl Acetate	**4.6**	4.2	1.1	**1.3**	1.2	0.30	
110-54-3	n-Hexane	**5.9**	2.1	0.42	**1.7**	0.59	0.12	
67-66-3	Chloroform	**1.0**	2.1	0.27	**0.21**	0.43	0.056	**J**
109-99-9	Tetrahydrofuran (THF)	**0.42**	2.1	0.26	**0.14**	0.72	0.087	**J**
107-06-2	1,2-Dichloroethane	<0.23	2.1	0.23	<0.056	0.51	0.056	
71-55-6	1,1,1-Trichloroethane	<0.25	2.1	0.25	<0.047	0.38	0.047	
71-43-2	Benzene	**0.64**	2.0	0.30	**0.20**	0.64	0.093	**J**
56-23-5	Carbon Tetrachloride	<0.28	2.0	0.28	<0.045	0.32	0.045	
110-82-7	Cyclohexane	**16**	4.2	0.58	**4.7**	1.2	0.17	
78-87-5	1,2-Dichloropropane	**0.56**	2.1	0.25	**0.12**	0.45	0.055	**J**
75-27-4	Bromodichloromethane	<0.30	2.1	0.30	<0.044	0.31	0.044	
79-01-6	Trichloroethene	<0.28	2.1	0.28	<0.052	0.39	0.052	
123-91-1	1,4-Dioxane	<0.24	2.1	0.24	<0.067	0.58	0.067	
80-62-6	Methyl Methacrylate	<0.73	4.2	0.73	<0.18	1.0	0.18	
142-82-5	n-Heptane	**3.4**	2.1	0.33	**0.82**	0.51	0.080	
10061-01-5	cis-1,3-Dichloropropene	<0.32	2.0	0.32	<0.070	0.44	0.070	
108-10-1	4-Methyl-2-pentanone	<0.28	2.0	0.28	<0.069	0.50	0.069	
10061-02-6	trans-1,3-Dichloropropene	<0.42	2.0	0.42	<0.093	0.45	0.093	
79-00-5	1,1,2-Trichloroethane	<0.21	2.1	0.21	<0.038	0.38	0.038	
108-88-3	Toluene	**51**	2.1	0.25	**13**	0.55	0.066	
591-78-6	2-Hexanone	<0.25	2.1	0.25	<0.062	0.51	0.062	
124-48-1	Dibromochloromethane	<0.27	2.1	0.27	<0.032	0.24	0.032	
106-93-4	1,2-Dibromoethane	<0.24	2.1	0.24	<0.031	0.27	0.031	
123-86-4	n-Butyl Acetate	**43**	2.1	0.28	**9.0**	0.45	0.059	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.6** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-015

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00507

Initial Pressure (psig): -0.20 Final Pressure (psig): 7.61

Canister Dilution Factor: 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**1.5**	2.1	0.46	**0.32**	0.45	0.099	**J**
127-18-4	Tetrachloroethene	**0.28**	2.0	0.27	**0.042**	0.30	0.039	**J**
108-90-7	Chlorobenzene	<0.27	2.1	0.27	<0.059	0.45	0.059	
100-41-4	Ethylbenzene	**0.92**	2.1	0.29	**0.21**	0.48	0.067	**J**
179601-23-1	m,p-Xylenes	**3.4**	4.2	0.54	**0.78**	0.98	0.12	**J**
75-25-2	Bromoform	<0.42	2.1	0.42	<0.041	0.20	0.041	
100-42-5	Styrene	**0.40**	2.0	0.33	**0.093**	0.48	0.078	**J**
95-47-6	o-Xylene	**1.0**	2.1	0.30	**0.23**	0.48	0.068	**J**
111-84-2	n-Nonane	**2.4**	2.1	0.34	**0.46**	0.40	0.065	
79-34-5	1,1,2,2-Tetrachloroethane	<0.28	2.1	0.28	<0.042	0.30	0.042	
98-82-8	Cumene	<0.30	2.1	0.30	<0.060	0.42	0.060	
80-56-8	alpha-Pinene	**2.3**	2.1	0.32	**0.42**	0.37	0.057	
103-65-1	n-Propylbenzene	**0.31**	2.1	0.30	**0.063**	0.42	0.060	**J**
622-96-8	4-Ethyltoluene	<0.33	2.1	0.33	<0.067	0.42	0.067	
108-67-8	1,3,5-Trimethylbenzene	<0.30	2.0	0.30	<0.060	0.42	0.060	
95-63-6	1,2,4-Trimethylbenzene	**0.80**	2.1	0.28	**0.16**	0.42	0.058	**J**
100-44-7	Benzyl Chloride	<0.46	4.2	0.46	<0.089	0.82	0.089	
541-73-1	1,3-Dichlorobenzene	<0.31	2.1	0.31	<0.051	0.35	0.051	
106-46-7	1,4-Dichlorobenzene	<0.32	2.1	0.32	<0.053	0.35	0.053	
95-50-1	1,2-Dichlorobenzene	<0.30	2.1	0.30	<0.051	0.35	0.051	
5989-27-5	d-Limonene	**0.68**	2.1	0.42	**0.12**	0.37	0.076	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.39	2.0	0.39	<0.040	0.21	0.040	
120-82-1	1,2,4-Trichlorobenzene	<0.50	2.1	0.50	<0.067	0.28	0.067	
91-20-3	Naphthalene	<0.50	2.0	0.50	<0.096	0.38	0.096	
87-68-3	Hexachlorobutadiene	<0.42	2.0	0.42	<0.040	0.19	0.040	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-6.10** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-016

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.040 Liter(s)
Test Notes: 0.0020 Liter(s)
Container ID: 1SC00373

Initial Pressure (psig): -0.03 Final Pressure (psig): 8.08

Canister Dilution Factor: 1.55

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<5.0	21	5.0	<2.9	12	2.9	
75-71-8	Dichlorodifluoromethane (CFC 12)	**7.8**	21	3.4	**1.6**	4.2	0.68	**J**
74-87-3	Chloromethane	<3.3	21	3.3	<1.6	9.9	1.6	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<3.3	21	3.3	<0.47	2.9	0.47	
75-01-4	Vinyl Chloride	<2.2	21	2.2	<0.86	8.2	0.86	
106-99-0	1,3-Butadiene	<3.4	21	3.4	<1.5	9.3	1.5	
74-83-9	Bromomethane	<2.9	21	2.9	<0.74	5.4	0.74	
75-00-3	Chloroethane	<2.6	21	2.6	<0.97	7.9	0.97	
64-17-5	Ethanol	**200**	200	14	**100**	110	7.6	**J**
75-05-8	Acetonitrile	<5.0	21	5.0	<3.0	12	3.0	
107-02-8	Acrolein	<5.8	39	5.8	<2.5	17	2.5	
67-64-1	Acetone	**69**	210	47	**29**	86	20	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**26,000**	410	63	**4,600**	73	11	**D**
67-63-0	2-Propanol (Isopropyl Alcohol)	<8.5	81	8.5	<3.5	33	3.5	
107-13-1	Acrylonitrile	<4.3	21	4.3	<2.0	9.5	2.0	
75-35-4	1,1-Dichloroethene	<2.9	21	2.9	<0.72	5.3	0.72	
75-09-2	Methylene Chloride	<5.8	21	5.8	<1.7	5.9	1.7	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<2.8	21	2.8	<0.89	6.7	0.89	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**110**	21	2.9	**15**	2.7	0.38	
75-15-0	Carbon Disulfide	**97**	43	6.2	**31**	14	2.0	
156-60-5	trans-1,2-Dichloroethene	**19**	21	2.9	**4.9**	5.3	0.72	**J**
75-34-3	1,1-Dichloroethane	<3.0	21	3.0	<0.75	5.3	0.75	
1634-04-4	Methyl tert-Butyl Ether	<2.4	21	2.4	<0.68	5.8	0.68	
108-05-4	Vinyl Acetate	<47	210	47	<13	59	13	
78-93-3	2-Butanone (MEK)	**7.7**	43	4.3	**2.6**	14	1.4	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-6.10** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-016

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.040 Liter(s)
Test Notes: 0.0020 Liter(s)
Container ID: 1SC00373

Initial Pressure (psig): -0.03 Final Pressure (psig): 8.08

Canister Dilution Factor: 1.55

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<2.9	21	2.9	<0.73	5.2	0.73	
141-78-6	Ethyl Acetate	**11**	43	11	**3.1**	12	3.0	**J**
110-54-3	n-Hexane	**10**	21	4.3	**2.9**	5.9	1.2	**J**
67-66-3	Chloroform	**5.3**	21	2.8	**1.1**	4.3	0.56	**J**
109-99-9	Tetrahydrofuran (THF)	<2.6	21	2.6	<0.88	7.2	0.88	
107-06-2	1,2-Dichloroethane	<2.3	21	2.3	<0.57	5.2	0.57	
71-55-6	1,1,1-Trichloroethane	**3.8**	21	2.6	**0.70**	3.8	0.47	**J**
71-43-2	Benzene	<3.0	21	3.0	<0.93	6.4	0.93	
56-23-5	Carbon Tetrachloride	<2.9	21	2.9	<0.46	3.3	0.46	
110-82-7	Cyclohexane	**47**	43	5.8	**14**	12	1.7	
78-87-5	1,2-Dichloropropane	**5.2**	21	2.6	**1.1**	4.5	0.55	**J**
75-27-4	Bromodichloromethane	<3.0	21	3.0	<0.45	3.1	0.45	
79-01-6	Trichloroethene	<2.8	21	2.8	<0.52	3.9	0.52	
123-91-1	1,4-Dioxane	<2.4	21	2.4	<0.68	5.8	0.68	
80-62-6	Methyl Methacrylate	<7.4	43	7.4	<1.8	10	1.8	
142-82-5	n-Heptane	**5.9**	21	3.3	**1.4**	5.1	0.80	**J**
10061-01-5	cis-1,3-Dichloropropene	<3.2	20	3.2	<0.71	4.4	0.71	
108-10-1	4-Methyl-2-pentanone	<2.8	21	2.8	<0.69	5.0	0.69	
10061-02-6	trans-1,3-Dichloropropene	<4.3	21	4.3	<0.94	4.5	0.94	
79-00-5	1,1,2-Trichloroethane	<2.1	21	2.1	<0.38	3.8	0.38	
108-88-3	Toluene	**110**	21	2.5	**30**	5.6	0.67	
591-78-6	2-Hexanone	<2.6	21	2.6	<0.62	5.1	0.62	
124-48-1	Dibromochloromethane	<2.7	21	2.7	<0.32	2.5	0.32	
106-93-4	1,2-Dibromoethane	<2.4	21	2.4	<0.31	2.7	0.31	
123-86-4	n-Butyl Acetate	**31**	21	2.8	**6.6**	4.5	0.60	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-6.10** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-016

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.040 Liter(s)
Test Notes: 0.0020 Liter(s)
Container ID: 1SC00373

Initial Pressure (psig): -0.03 Final Pressure (psig): 8.08

Canister Dilution Factor: 1.55

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<4.7	21	4.7	<1.0	4.5	1.0	
127-18-4	Tetrachloroethene	<2.7	20	2.7	<0.39	3.0	0.39	
108-90-7	Chlorobenzene	<2.8	21	2.8	<0.60	4.5	0.60	
100-41-4	Ethylbenzene	<2.9	21	2.9	<0.67	4.8	0.67	
179601-23-1	m,p-Xylenes	<5.4	43	5.4	<1.2	9.8	1.2	
75-25-2	Bromoform	<4.3	21	4.3	<0.41	2.0	0.41	
100-42-5	Styrene	<3.3	21	3.3	<0.78	4.8	0.78	
95-47-6	o-Xylene	<3.0	21	3.0	<0.69	4.8	0.69	
111-84-2	n-Nonane	<3.4	21	3.4	<0.66	4.0	0.66	
79-34-5	1,1,2,2-Tetrachloroethane	<2.9	21	2.9	<0.42	3.0	0.42	
98-82-8	Cumene	<3.0	21	3.0	<0.61	4.3	0.61	
80-56-8	alpha-Pinene	**6.2**	21	3.2	**1.1**	3.8	0.57	**J**
103-65-1	n-Propylbenzene	<3.0	21	3.0	<0.61	4.3	0.61	
622-96-8	4-Ethyltoluene	<3.3	21	3.3	<0.67	4.3	0.67	
108-67-8	1,3,5-Trimethylbenzene	<3.0	21	3.0	<0.61	4.2	0.61	
95-63-6	1,2,4-Trimethylbenzene	<2.9	21	2.9	<0.58	4.3	0.58	
100-44-7	Benzyl Chloride	<4.7	43	4.7	<0.90	8.2	0.90	
541-73-1	1,3-Dichlorobenzene	<3.1	21	3.1	<0.52	3.5	0.52	
106-46-7	1,4-Dichlorobenzene	<3.2	21	3.2	<0.53	3.5	0.53	
95-50-1	1,2-Dichlorobenzene	<3.1	21	3.1	<0.51	3.5	0.51	
5989-27-5	d-Limonene	<4.3	21	4.3	<0.77	3.8	0.77	
96-12-8	1,2-Dibromo-3-chloropropane	<3.9	21	3.9	<0.40	2.1	0.40	
120-82-1	1,2,4-Trichlorobenzene	<5.0	21	5.0	<0.68	2.8	0.68	
91-20-3	Naphthalene	<5.0	20	5.0	<0.96	3.8	0.96	
87-68-3	Hexachlorobutadiene	<4.3	21	4.3	<0.40	1.9	0.40	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-6.13** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-017

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.040 Liter(s)
Test Notes: 0.0020 Liter(s)
Container ID: 1SS00896

Initial Pressure (psig): -1.90 Final Pressure (psig): 5.73

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**15**	21	5.2	**8.7**	12	3.0	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**6.4**	21	3.5	**1.3**	4.3	0.70	**J**
74-87-3	Chloromethane	<3.4	21	3.4	<1.7	10	1.7	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<3.4	21	3.4	<0.48	3.0	0.48	
75-01-4	Vinyl Chloride	<2.3	22	2.3	<0.89	8.5	0.89	
106-99-0	1,3-Butadiene	<3.5	21	3.5	<1.6	9.6	1.6	
74-83-9	Bromomethane	<3.0	22	3.0	<0.76	5.6	0.76	
75-00-3	Chloroethane	<2.6	22	2.6	<1.0	8.2	1.0	
64-17-5	Ethanol	**28**	210	15	**15**	110	7.9	**J**
75-05-8	Acetonitrile	<5.2	21	5.2	<3.1	13	3.1	
107-02-8	Acrolein	<6.0	40	6.0	<2.6	17	2.6	
67-64-1	Acetone	<48	210	48	<20	89	20	
75-69-4	Trichlorofluoromethane (CFC 11)	**33,000**	420	65	**5,800**	75	12	**D**
67-63-0	2-Propanol (Isopropyl Alcohol)	<8.8	84	8.8	<3.6	34	3.6	
107-13-1	Acrylonitrile	<4.4	21	4.4	<2.0	9.8	2.0	
75-35-4	1,1-Dichloroethene	<3.0	22	3.0	<0.75	5.5	0.75	
75-09-2	Methylene Chloride	<6.0	21	6.0	<1.7	6.1	1.7	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<2.9	22	2.9	<0.92	6.9	0.92	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**790**	22	3.0	**100**	2.8	0.40	
75-15-0	Carbon Disulfide	**7.0**	44	6.4	**2.2**	14	2.1	**J**
156-60-5	trans-1,2-Dichloroethene	<3.0	22	3.0	<0.75	5.5	0.75	
75-34-3	1,1-Dichloroethane	<3.1	22	3.1	<0.77	5.4	0.77	
1634-04-4	Methyl tert-Butyl Ether	<2.5	22	2.5	<0.70	6.0	0.70	
108-05-4	Vinyl Acetate	<48	220	48	<14	61	14	
78-93-3	2-Butanone (MEK)	<4.4	44	4.4	<1.5	15	1.5	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
D = The reported result is from a dilution.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-6.13** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-017

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.040 Liter(s)
Test Notes: 0.0020 Liter(s)
Container ID: 1SS00896

Initial Pressure (psig): -1.90 Final Pressure (psig): 5.73

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<3.0	21	3.0	<0.76	5.3	0.76	
141-78-6	Ethyl Acetate	<11	44	11	<3.1	12	3.1	
110-54-3	n-Hexane	<4.4	22	4.4	<1.2	6.1	1.2	
67-66-3	Chloroform	<2.8	22	2.8	<0.58	4.4	0.58	
109-99-9	Tetrahydrofuran (THF)	<2.7	22	2.7	<0.91	7.5	0.91	
107-06-2	1,2-Dichloroethane	<2.4	22	2.4	<0.58	5.3	0.58	
71-55-6	1,1,1-Trichloroethane	<2.6	22	2.6	<0.48	4.0	0.48	
71-43-2	Benzene	<3.1	21	3.1	<0.96	6.6	0.96	
56-23-5	Carbon Tetrachloride	<3.0	21	3.0	<0.47	3.4	0.47	
110-82-7	Cyclohexane	<6.0	44	6.0	<1.7	13	1.7	
78-87-5	1,2-Dichloropropane	<2.6	22	2.6	<0.57	4.7	0.57	
75-27-4	Bromodichloromethane	<3.1	22	3.1	<0.46	3.2	0.46	
79-01-6	Trichloroethene	<2.9	22	2.9	<0.54	4.0	0.54	
123-91-1	1,4-Dioxane	<2.5	22	2.5	<0.70	6.0	0.70	
80-62-6	Methyl Methacrylate	<7.6	44	7.6	<1.9	11	1.9	
142-82-5	n-Heptane	<3.4	22	3.4	<0.83	5.3	0.83	
10061-01-5	cis-1,3-Dichloropropene	<3.3	21	3.3	<0.73	4.6	0.73	
108-10-1	4-Methyl-2-pentanone	<2.9	21	2.9	<0.71	5.2	0.71	
10061-02-6	trans-1,3-Dichloropropene	<4.4	21	4.4	<0.97	4.7	0.97	
79-00-5	1,1,2-Trichloroethane	<2.2	22	2.2	<0.40	4.0	0.40	
108-88-3	Toluene	**7.9**	22	2.6	**2.1**	5.7	0.69	**J**
591-78-6	2-Hexanone	<2.6	22	2.6	<0.64	5.3	0.64	
124-48-1	Dibromochloromethane	<2.8	22	2.8	<0.33	2.5	0.33	
106-93-4	1,2-Dibromoethane	<2.5	22	2.5	<0.32	2.8	0.32	
123-86-4	n-Butyl Acetate	<2.9	22	2.9	<0.61	4.6	0.61	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-6.13** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-017

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.040 Liter(s)
Test Notes: 0.0020 Liter(s)
Container ID: 1SS00896

Initial Pressure (psig): -1.90 Final Pressure (psig): 5.73

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<4.8	22	4.8	<1.0	4.6	1.0	
127-18-4	Tetrachloroethene	**6.8**	21	2.8	**1.0**	3.1	0.41	**J**
108-90-7	Chlorobenzene	<2.8	22	2.8	<0.62	4.7	0.62	
100-41-4	Ethylbenzene	<3.0	22	3.0	<0.69	5.0	0.69	
179601-23-1	m,p-Xylenes	<5.6	44	5.6	<1.3	10	1.3	
75-25-2	Bromoform	<4.4	22	4.4	<0.43	2.1	0.43	
100-42-5	Styrene	<3.4	21	3.4	<0.81	5.0	0.81	
95-47-6	o-Xylene	<3.1	22	3.1	<0.71	5.0	0.71	
111-84-2	n-Nonane	<3.6	22	3.6	<0.68	4.1	0.68	
79-34-5	1,1,2,2-Tetrachloroethane	<3.0	22	3.0	<0.43	3.1	0.43	
98-82-8	Cumene	<3.1	22	3.1	<0.63	4.4	0.63	
80-56-8	alpha-Pinene	<3.3	22	3.3	<0.59	3.9	0.59	
103-65-1	n-Propylbenzene	<3.1	22	3.1	<0.63	4.4	0.63	
622-96-8	4-Ethyltoluene	<3.4	22	3.4	<0.69	4.4	0.69	
108-67-8	1,3,5-Trimethylbenzene	<3.1	21	3.1	<0.63	4.3	0.63	
95-63-6	1,2,4-Trimethylbenzene	<3.0	22	3.0	<0.60	4.4	0.60	
100-44-7	Benzyl Chloride	<4.8	44	4.8	<0.93	8.5	0.93	
541-73-1	1,3-Dichlorobenzene	<3.2	22	3.2	<0.53	3.6	0.53	
106-46-7	1,4-Dichlorobenzene	<3.3	22	3.3	<0.55	3.6	0.55	
95-50-1	1,2-Dichlorobenzene	<3.2	22	3.2	<0.53	3.6	0.53	
5989-27-5	d-Limonene	**8.0**	22	4.4	**1.4**	3.9	0.79	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<4.0	21	4.0	<0.41	2.2	0.41	
120-82-1	1,2,4-Trichlorobenzene	<5.2	22	5.2	<0.70	2.9	0.70	
91-20-3	Naphthalene	<5.2	21	5.2	<0.99	4.0	0.99	
87-68-3	Hexachlorobutadiene	<4.4	21	4.4	<0.41	2.0	0.41	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-018

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00133

Initial Pressure (psig): -0.64 Final Pressure (psig): 6.05

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**0.50**	2.0	0.48	**0.29**	1.1	0.28	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	2.0	0.32	**0.46**	0.40	0.065	
74-87-3	Chloromethane	**1.3**	2.0	0.32	**0.62**	0.95	0.15	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.31	2.0	0.31	<0.044	0.28	0.044	
75-01-4	Vinyl Chloride	<0.21	2.0	0.21	<0.083	0.78	0.083	
106-99-0	1,3-Butadiene	<0.33	2.0	0.33	<0.15	0.89	0.15	
74-83-9	Bromomethane	<0.27	2.0	0.27	<0.071	0.51	0.071	
75-00-3	Chloroethane	<0.24	2.0	0.24	<0.093	0.76	0.093	
64-17-5	Ethanol	**13**	19	1.4	**6.7**	10	0.73	**J**
75-05-8	Acetonitrile	**0.75**	2.0	0.48	**0.45**	1.2	0.29	**J**
107-02-8	Acrolein	**1.4**	3.7	0.56	**0.61**	1.6	0.24	**J**
67-64-1	Acetone	**21**	20	4.4	**8.9**	8.3	1.9	
75-69-4	Trichlorofluoromethane (CFC 11)	**26**	2.0	0.30	**4.6**	0.35	0.053	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.81	7.8	0.81	<0.33	3.2	0.33	
107-13-1	Acrylonitrile	<0.41	2.0	0.41	<0.19	0.90	0.19	
75-35-4	1,1-Dichloroethene	<0.27	2.0	0.27	<0.069	0.50	0.069	
75-09-2	Methylene Chloride	<0.56	2.0	0.56	<0.16	0.56	0.16	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.27	2.0	0.27	<0.085	0.64	0.085	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.91**	2.0	0.28	**0.12**	0.26	0.037	**J**
75-15-0	Carbon Disulfide	<0.59	4.1	0.59	<0.19	1.3	0.19	
156-60-5	trans-1,2-Dichloroethene	<0.27	2.0	0.27	<0.069	0.50	0.069	
75-34-3	1,1-Dichloroethane	<0.29	2.0	0.29	<0.071	0.50	0.071	
1634-04-4	Methyl tert-Butyl Ether	<0.23	2.0	0.23	<0.065	0.55	0.065	
108-05-4	Vinyl Acetate	**5.8**	20	4.4	**1.7**	5.7	1.3	**J**
78-93-3	2-Butanone (MEK)	**4.0**	4.1	0.41	**1.3**	1.4	0.14	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-018

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00133

Initial Pressure (psig): -0.64 Final Pressure (psig): 6.05

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.28	2.0	0.28	<0.070	0.49	0.070	
141-78-6	Ethyl Acetate	<1.0	4.1	1.0	<0.29	1.1	0.29	
110-54-3	n-Hexane	<0.41	2.0	0.41	<0.12	0.57	0.12	
67-66-3	Chloroform	<0.26	2.0	0.26	<0.054	0.41	0.054	
109-99-9	Tetrahydrofuran (THF)	<0.25	2.0	0.25	<0.084	0.69	0.084	
107-06-2	1,2-Dichloroethane	<0.22	2.0	0.22	<0.054	0.49	0.054	
71-55-6	1,1,1-Trichloroethane	<0.24	2.0	0.24	<0.045	0.37	0.045	
71-43-2	Benzene	<0.28	2.0	0.28	<0.089	0.61	0.089	
56-23-5	Carbon Tetrachloride	**0.30**	2.0	0.27	**0.048**	0.31	0.044	**J**
110-82-7	Cyclohexane	<0.56	4.1	0.56	<0.16	1.2	0.16	
78-87-5	1,2-Dichloropropane	<0.24	2.0	0.24	<0.053	0.43	0.053	
75-27-4	Bromodichloromethane	<0.28	2.0	0.28	<0.043	0.30	0.043	
79-01-6	Trichloroethene	<0.27	2.0	0.27	<0.050	0.37	0.050	
123-91-1	1,4-Dioxane	<0.23	2.0	0.23	<0.065	0.55	0.065	
80-62-6	Methyl Methacrylate	<0.70	4.1	0.70	<0.17	0.99	0.17	
142-82-5	n-Heptane	<0.31	2.0	0.31	<0.077	0.49	0.077	
10061-01-5	cis-1,3-Dichloropropene	<0.31	1.9	0.31	<0.068	0.42	0.068	
108-10-1	4-Methyl-2-pentanone	<0.27	2.0	0.27	<0.066	0.48	0.066	
10061-02-6	trans-1,3-Dichloropropene	<0.41	2.0	0.41	<0.090	0.43	0.090	
79-00-5	1,1,2-Trichloroethane	<0.20	2.0	0.20	<0.037	0.37	0.037	
108-88-3	Toluene	**0.91**	2.0	0.24	**0.24**	0.53	0.064	**J**
591-78-6	2-Hexanone	**0.69**	2.0	0.24	**0.17**	0.49	0.060	**J**
124-48-1	Dibromochloromethane	<0.26	2.0	0.26	<0.030	0.23	0.030	
106-93-4	1,2-Dibromoethane	<0.23	2.0	0.23	<0.030	0.26	0.030	
123-86-4	n-Butyl Acetate	**0.37**	2.0	0.27	**0.079**	0.43	0.057	**J**

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P2002238-018

Test Code: EPA TO-15 Date Collected: 4/21/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/23/20
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00133

Initial Pressure (psig): -0.64 Final Pressure (psig): 6.05

Canister Dilution Factor: 1.48

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.44	2.0	0.44	<0.095	0.43	0.095	
127-18-4	Tetrachloroethene	<0.26	1.9	0.26	<0.038	0.28	0.038	
108-90-7	Chlorobenzene	<0.26	2.0	0.26	<0.057	0.43	0.057	
100-41-4	Ethylbenzene	<0.28	2.0	0.28	<0.064	0.46	0.064	
179601-23-1	m,p-Xylenes	<0.52	4.1	0.52	<0.12	0.94	0.12	
75-25-2	Bromoform	<0.41	2.0	0.41	<0.039	0.19	0.039	
100-42-5	Styrene	<0.32	2.0	0.32	<0.075	0.46	0.075	
95-47-6	o-Xylene	<0.28	2.0	0.28	<0.066	0.46	0.066	
111-84-2	n-Nonane	**0.74**	2.0	0.33	**0.14**	0.38	0.063	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.27	2.0	0.27	<0.040	0.29	0.040	
98-82-8	Cumene	<0.28	2.0	0.28	<0.058	0.41	0.058	
80-56-8	alpha-Pinene	<0.30	2.0	0.30	<0.054	0.36	0.054	
103-65-1	n-Propylbenzene	<0.28	2.0	0.28	<0.058	0.41	0.058	
622-96-8	4-Ethyltoluene	<0.31	2.0	0.31	<0.064	0.41	0.064	
108-67-8	1,3,5-Trimethylbenzene	<0.28	2.0	0.28	<0.058	0.40	0.058	
95-63-6	1,2,4-Trimethylbenzene	<0.27	2.0	0.27	<0.056	0.41	0.056	
100-44-7	Benzyl Chloride	<0.44	4.1	0.44	<0.086	0.79	0.086	
541-73-1	1,3-Dichlorobenzene	<0.30	2.0	0.30	<0.049	0.33	0.049	
106-46-7	1,4-Dichlorobenzene	<0.30	2.0	0.30	<0.050	0.33	0.050	
95-50-1	1,2-Dichlorobenzene	<0.29	2.0	0.29	<0.049	0.33	0.049	
5989-27-5	d-Limonene	<0.41	2.0	0.41	<0.073	0.36	0.073	
96-12-8	1,2-Dibromo-3-chloropropane	<0.37	2.0	0.37	<0.038	0.20	0.038	
120-82-1	1,2,4-Trichlorobenzene	<0.48	2.0	0.48	<0.065	0.27	0.065	
91-20-3	Naphthalene	<0.48	1.9	0.48	<0.092	0.37	0.092	
87-68-3	Hexachlorobutadiene	<0.41	2.0	0.41	<0.038	0.18	0.038	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Method Blank** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200507-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.13	0.53	0.13	<0.076	0.31	0.076	
75-71-8	Dichlorodifluoromethane (CFC 12)	<0.087	0.53	0.087	<0.018	0.11	0.018	
74-87-3	Chloromethane	<0.086	0.53	0.086	<0.042	0.26	0.042	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.084	0.53	0.084	<0.012	0.076	0.012	
75-01-4	Vinyl Chloride	<0.057	0.54	0.057	<0.022	0.21	0.022	
106-99-0	1,3-Butadiene	<0.088	0.53	0.088	<0.040	0.24	0.040	
74-83-9	Bromomethane	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-00-3	Chloroethane	<0.066	0.54	0.066	<0.025	0.20	0.025	
64-17-5	Ethanol	<0.37	5.2	0.37	<0.20	2.8	0.20	
75-05-8	Acetonitrile	<0.13	0.53	0.13	<0.077	0.32	0.077	
107-02-8	Acrolein	<0.15	1.0	0.15	<0.065	0.44	0.065	
67-64-1	Acetone	<1.2	5.3	1.2	<0.51	2.2	0.51	
75-69-4	Trichlorofluoromethane (CFC 11)	<0.081	0.53	0.081	<0.014	0.094	0.014	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.22	2.1	0.22	<0.090	0.85	0.090	
107-13-1	Acrylonitrile	<0.11	0.53	0.11	<0.051	0.24	0.051	
75-35-4	1,1-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-09-2	Methylene Chloride	<0.15	0.53	0.15	<0.043	0.15	0.043	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.072	0.54	0.072	<0.023	0.17	0.023	
76-13-1	Trichlorotrifluoroethane (CFC 113)	<0.076	0.54	0.076	<0.0099	0.070	0.0099	
75-15-0	Carbon Disulfide	<0.16	1.1	0.16	<0.051	0.35	0.051	
156-60-5	trans-1,2-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-34-3	1,1-Dichloroethane	<0.078	0.55	0.078	<0.019	0.14	0.019	
1634-04-4	Methyl tert-Butyl Ether	<0.063	0.54	0.063	<0.017	0.15	0.017	
108-05-4	Vinyl Acetate	<1.2	5.4	1.2	<0.34	1.5	0.34	
78-93-3	2-Butanone (MEK)	<0.11	1.1	0.11	<0.037	0.37	0.037	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002238

Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200507-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/7/20

Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.075	0.53	0.075	<0.019	0.13	0.019	
141-78-6	Ethyl Acetate	<0.28	1.1	0.28	<0.078	0.31	0.078	
110-54-3	n-Hexane	<0.11	0.54	0.11	<0.031	0.15	0.031	
67-66-3	Chloroform	<0.071	0.54	0.071	<0.015	0.11	0.015	
109-99-9	Tetrahydrofuran (THF)	<0.067	0.55	0.067	<0.023	0.19	0.023	
107-06-2	1,2-Dichloroethane	<0.059	0.54	0.059	<0.015	0.13	0.015	
71-55-6	1,1,1-Trichloroethane	<0.066	0.54	0.066	<0.012	0.099	0.012	
71-43-2	Benzene	<0.077	0.53	0.077	<0.024	0.17	0.024	
56-23-5	Carbon Tetrachloride	<0.074	0.53	0.074	<0.012	0.084	0.012	
110-82-7	Cyclohexane	<0.15	1.1	0.15	<0.044	0.32	0.044	
78-87-5	1,2-Dichloropropane	<0.066	0.54	0.066	<0.014	0.12	0.014	
75-27-4	Bromodichloromethane	<0.077	0.54	0.077	<0.011	0.081	0.011	
79-01-6	Trichloroethene	<0.072	0.54	0.072	<0.013	0.10	0.013	
123-91-1	1,4-Dioxane	<0.063	0.54	0.063	<0.017	0.15	0.017	
80-62-6	Methyl Methacrylate	<0.19	1.1	0.19	<0.046	0.27	0.046	
142-82-5	n-Heptane	<0.085	0.54	0.085	<0.021	0.13	0.021	
10061-01-5	cis-1,3-Dichloropropene	<0.083	0.52	0.083	<0.018	0.11	0.018	
108-10-1	4-Methyl-2-pentanone	<0.073	0.53	0.073	<0.018	0.13	0.018	
10061-02-6	trans-1,3-Dichloropropene	<0.11	0.53	0.11	<0.024	0.12	0.024	
79-00-5	1,1,2-Trichloroethane	<0.054	0.54	0.054	<0.0099	0.099	0.0099	
108-88-3	Toluene	<0.065	0.54	0.065	<0.017	0.14	0.017	
591-78-6	2-Hexanone	<0.066	0.54	0.066	<0.016	0.13	0.016	
124-48-1	Dibromochloromethane	<0.070	0.54	0.070	<0.0082	0.063	0.0082	
106-93-4	1,2-Dibromoethane	<0.062	0.54	0.062	<0.0081	0.070	0.0081	
123-86-4	n-Butyl Acetate	<0.073	0.55	0.073	<0.015	0.12	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** — ALS Project ID: P2002238

Client Project ID: **Sde Dov / KTE-26-20-Simi** — ALS Sample ID: P200507-MB

Test Code: EPA TO-15 — Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 — Date Received: NA

Analyst: Wida Ang — Date Analyzed: 5/7/20

Sample Type: 1.0 L Summa Canister — Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.12	0.54	0.12	<0.026	0.12	0.026	
127-18-4	Tetrachloroethene	<0.069	0.52	0.069	<0.010	0.077	0.010	
108-90-7	Chlorobenzene	<0.071	0.54	0.071	<0.015	0.12	0.015	
100-41-4	Ethylbenzene	<0.075	0.54	0.075	<0.017	0.12	0.017	
179601-23-1	m,p-Xylenes	<0.14	1.1	0.14	<0.032	0.25	0.032	
75-25-2	Bromoform	<0.11	0.54	0.11	<0.011	0.052	0.011	
100-42-5	Styrene	<0.086	0.53	0.086	<0.020	0.12	0.020	
95-47-6	o-Xylene	<0.077	0.54	0.077	<0.018	0.12	0.018	
111-84-2	n-Nonane	<0.089	0.54	0.089	<0.017	0.10	0.017	
79-34-5	1,1,2,2-Tetrachloroethane	<0.074	0.54	0.074	<0.011	0.079	0.011	
98-82-8	Cumene	<0.077	0.54	0.077	<0.016	0.11	0.016	
80-56-8	alpha-Pinene	<0.082	0.54	0.082	<0.015	0.097	0.015	
103-65-1	n-Propylbenzene	<0.077	0.54	0.077	<0.016	0.11	0.016	
622-96-8	4-Ethyltoluene	<0.085	0.54	0.085	<0.017	0.11	0.017	
108-67-8	1,3,5-Trimethylbenzene	<0.077	0.53	0.077	<0.016	0.11	0.016	
95-63-6	1,2,4-Trimethylbenzene	<0.074	0.54	0.074	<0.015	0.11	0.015	
100-44-7	Benzyl Chloride	<0.12	1.1	0.12	<0.023	0.21	0.023	
541-73-1	1,3-Dichlorobenzene	<0.080	0.54	0.080	<0.013	0.090	0.013	
106-46-7	1,4-Dichlorobenzene	<0.082	0.54	0.082	<0.014	0.090	0.014	
95-50-1	1,2-Dichlorobenzene	<0.079	0.54	0.079	<0.013	0.090	0.013	
5989-27-5	d-Limonene	<0.11	0.54	0.11	<0.020	0.097	0.020	
96-12-8	1,2-Dibromo-3-chloropropane	<0.10	0.53	0.10	<0.010	0.055	0.010	
120-82-1	1,2,4-Trichlorobenzene	<0.13	0.54	0.13	<0.018	0.073	0.018	
91-20-3	Naphthalene	<0.13	0.52	0.13	<0.025	0.099	0.025	
87-68-3	Hexachlorobutadiene	<0.11	0.53	0.11	<0.010	0.050	0.010	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Method Blank** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200508-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.13	0.53	0.13	<0.076	0.31	0.076	
75-71-8	Dichlorodifluoromethane (CFC 12)	<0.087	0.53	0.087	<0.018	0.11	0.018	
74-87-3	Chloromethane	<0.086	0.53	0.086	<0.042	0.26	0.042	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.084	0.53	0.084	<0.012	0.076	0.012	
75-01-4	Vinyl Chloride	<0.057	0.54	0.057	<0.022	0.21	0.022	
106-99-0	1,3-Butadiene	<0.088	0.53	0.088	<0.040	0.24	0.040	
74-83-9	Bromomethane	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-00-3	Chloroethane	<0.066	0.54	0.066	<0.025	0.20	0.025	
64-17-5	Ethanol	<0.37	5.2	0.37	<0.20	2.8	0.20	
75-05-8	Acetonitrile	<0.13	0.53	0.13	<0.077	0.32	0.077	
107-02-8	Acrolein	<0.15	1.0	0.15	<0.065	0.44	0.065	
67-64-1	Acetone	<1.2	5.3	1.2	<0.51	2.2	0.51	
75-69-4	Trichlorofluoromethane (CFC 11)	<0.081	0.53	0.081	<0.014	0.094	0.014	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.22	2.1	0.22	<0.090	0.85	0.090	
107-13-1	Acrylonitrile	<0.11	0.53	0.11	<0.051	0.24	0.051	
75-35-4	1,1-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-09-2	Methylene Chloride	<0.15	0.53	0.15	<0.043	0.15	0.043	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.072	0.54	0.072	<0.023	0.17	0.023	
76-13-1	Trichlorotrifluoroethane (CFC 113)	<0.076	0.54	0.076	<0.0099	0.070	0.0099	
75-15-0	Carbon Disulfide	<0.16	1.1	0.16	<0.051	0.35	0.051	
156-60-5	trans-1,2-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-34-3	1,1-Dichloroethane	<0.078	0.55	0.078	<0.019	0.14	0.019	
1634-04-4	Methyl tert-Butyl Ether	<0.063	0.54	0.063	<0.017	0.15	0.017	
108-05-4	Vinyl Acetate	<1.2	5.4	1.2	<0.34	1.5	0.34	
78-93-3	2-Butanone (MEK)	<0.11	1.1	0.11	<0.037	0.37	0.037	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002238

Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200508-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/8/20

Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.075	0.53	0.075	<0.019	0.13	0.019	
141-78-6	Ethyl Acetate	<0.28	1.1	0.28	<0.078	0.31	0.078	
110-54-3	n-Hexane	<0.11	0.54	0.11	<0.031	0.15	0.031	
67-66-3	Chloroform	<0.071	0.54	0.071	<0.015	0.11	0.015	
109-99-9	Tetrahydrofuran (THF)	<0.067	0.55	0.067	<0.023	0.19	0.023	
107-06-2	1,2-Dichloroethane	<0.059	0.54	0.059	<0.015	0.13	0.015	
71-55-6	1,1,1-Trichloroethane	<0.066	0.54	0.066	<0.012	0.099	0.012	
71-43-2	Benzene	<0.077	0.53	0.077	<0.024	0.17	0.024	
56-23-5	Carbon Tetrachloride	<0.074	0.53	0.074	<0.012	0.084	0.012	
110-82-7	Cyclohexane	<0.15	1.1	0.15	<0.044	0.32	0.044	
78-87-5	1,2-Dichloropropane	<0.066	0.54	0.066	<0.014	0.12	0.014	
75-27-4	Bromodichloromethane	<0.077	0.54	0.077	<0.011	0.081	0.011	
79-01-6	Trichloroethene	<0.072	0.54	0.072	<0.013	0.10	0.013	
123-91-1	1,4-Dioxane	<0.063	0.54	0.063	<0.017	0.15	0.017	
80-62-6	Methyl Methacrylate	<0.19	1.1	0.19	<0.046	0.27	0.046	
142-82-5	n-Heptane	<0.085	0.54	0.085	<0.021	0.13	0.021	
10061-01-5	cis-1,3-Dichloropropene	<0.083	0.52	0.083	<0.018	0.11	0.018	
108-10-1	4-Methyl-2-pentanone	<0.073	0.53	0.073	<0.018	0.13	0.018	
10061-02-6	trans-1,3-Dichloropropene	<0.11	0.53	0.11	<0.024	0.12	0.024	
79-00-5	1,1,2-Trichloroethane	<0.054	0.54	0.054	<0.0099	0.099	0.0099	
108-88-3	Toluene	<0.065	0.54	0.065	<0.017	0.14	0.017	
591-78-6	2-Hexanone	<0.066	0.54	0.066	<0.016	0.13	0.016	
124-48-1	Dibromochloromethane	<0.070	0.54	0.070	<0.0082	0.063	0.0082	
106-93-4	1,2-Dibromoethane	<0.062	0.54	0.062	<0.0081	0.070	0.0081	
123-86-4	n-Butyl Acetate	<0.073	0.55	0.073	<0.015	0.12	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002238

Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200508-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/8/20

Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.12	0.54	0.12	<0.026	0.12	0.026	
127-18-4	Tetrachloroethene	<0.069	0.52	0.069	<0.010	0.077	0.010	
108-90-7	Chlorobenzene	<0.071	0.54	0.071	<0.015	0.12	0.015	
100-41-4	Ethylbenzene	<0.075	0.54	0.075	<0.017	0.12	0.017	
179601-23-1	m,p-Xylenes	<0.14	1.1	0.14	<0.032	0.25	0.032	
75-25-2	Bromoform	<0.11	0.54	0.11	<0.011	0.052	0.011	
100-42-5	Styrene	<0.086	0.53	0.086	<0.020	0.12	0.020	
95-47-6	o-Xylene	<0.077	0.54	0.077	<0.018	0.12	0.018	
111-84-2	n-Nonane	<0.089	0.54	0.089	<0.017	0.10	0.017	
79-34-5	1,1,2,2-Tetrachloroethane	<0.074	0.54	0.074	<0.011	0.079	0.011	
98-82-8	Cumene	<0.077	0.54	0.077	<0.016	0.11	0.016	
80-56-8	alpha-Pinene	<0.082	0.54	0.082	<0.015	0.097	0.015	
103-65-1	n-Propylbenzene	<0.077	0.54	0.077	<0.016	0.11	0.016	
622-96-8	4-Ethyltoluene	<0.085	0.54	0.085	<0.017	0.11	0.017	
108-67-8	1,3,5-Trimethylbenzene	<0.077	0.53	0.077	<0.016	0.11	0.016	
95-63-6	1,2,4-Trimethylbenzene	<0.074	0.54	0.074	<0.015	0.11	0.015	
100-44-7	Benzyl Chloride	<0.12	1.1	0.12	<0.023	0.21	0.023	
541-73-1	1,3-Dichlorobenzene	<0.080	0.54	0.080	<0.013	0.090	0.013	
106-46-7	1,4-Dichlorobenzene	<0.082	0.54	0.082	<0.014	0.090	0.014	
95-50-1	1,2-Dichlorobenzene	<0.079	0.54	0.079	<0.013	0.090	0.013	
5989-27-5	d-Limonene	<0.11	0.54	0.11	<0.020	0.097	0.020	
96-12-8	1,2-Dibromo-3-chloropropane	<0.10	0.53	0.10	<0.010	0.055	0.010	
120-82-1	1,2,4-Trichlorobenzene	<0.13	0.54	0.13	<0.018	0.073	0.018	
91-20-3	Naphthalene	<0.13	0.52	0.13	<0.025	0.099	0.025	
87-68-3	Hexachlorobutadiene	<0.11	0.53	0.11	<0.010	0.050	0.010	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Project ID: P2002238

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 4/20 - 4/21/20
Analyst: Wida Ang Date(s) Received: 4/23/20
Sample Type: 1.0 L Summa Canister(s) Date(s) Analyzed: 5/7 - 5/8/20
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P200507-MB	**92**	**103**	**109**	70-130	
Method Blank	P200508-MB	**97**	**99**	**106**	70-130	
Lab Control Sample	P200507-LCS	**89**	**105**	**115**	70-130	
Lab Control Sample	P200508-LCS	**93**	**101**	**109**	70-130	
SG-2.8	P2002238-001	**97**	**100**	**104**	70-130	
AB	P2002238-002	**96**	**100**	**103**	70-130	
SG-2.12	P2002238-003	**97**	**100**	**104**	70-130	
SG-2.13	P2002238-004	**96**	**100**	**103**	70-130	
SG-2.6	P2002238-005	**96**	**100**	**104**	70-130	
SG-2.19	P2002238-006	**95**	**101**	**103**	70-130	
SG-13.4	P2002238-007	**94**	**102**	**103**	70-130	
SG-13.14	P2002238-008	**95**	**102**	**102**	70-130	
SG-13.10	P2002238-009	**96**	**101**	**103**	70-130	
SG-15.1	P2002238-010	**96**	**101**	**104**	70-130	
SG-15.30	P2002238-011	**97**	**101**	**106**	70-130	
SG-15.21	P2002238-012	**96**	**99**	**107**	70-130	
SG-15.18	P2002238-013	**94**	**99**	**108**	70-130	
SG-15.36	P2002238-014	**96**	**99**	**109**	70-130	
SG-14.6	P2002238-015	**95**	**100**	**110**	70-130	
SG-6.10	P2002238-016	**94**	**100**	**107**	70-130	
SG-6.13	P2002238-017	**95**	**100**	**106**	70-130	
AB	P2002238-018	**94**	**99**	**106**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200507-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	210	**210**	**100**	51-133	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**211**	**100**	64-115	
74-87-3	Chloromethane	212	**238**	**112**	49-127	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	**211**	**102**	65-114	
75-01-4	Vinyl Chloride	212	**223**	**105**	61-129	
106-99-0	1,3-Butadiene	212	**224**	**106**	54-140	
74-83-9	Bromomethane	212	**213**	**100**	68-120	
75-00-3	Chloroethane	214	**200**	**93**	63-123	
64-17-5	Ethanol	1,060	**890**	**84**	49-134	
75-05-8	Acetonitrile	214	**165**	**77**	50-137	
107-02-8	Acrolein	206	**225**	**109**	62-128	
67-64-1	Acetone	1,070	**890**	**83**	56-125	
75-69-4	Trichlorofluoromethane (CFC 11)	212	**195**	**92**	64-115	
67-63-0	2-Propanol (Isopropyl Alcohol)	422	**395**	**94**	57-133	
107-13-1	Acrylonitrile	212	**182**	**86**	64-136	
75-35-4	1,1-Dichloroethene	214	**212**	**99**	67-115	
75-09-2	Methylene Chloride	210	**188**	**90**	68-114	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	**171**	**80**	55-139	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	**214**	**99**	65-115	
75-15-0	Carbon Disulfide	212	**181**	**85**	68-113	
156-60-5	trans-1,2-Dichloroethene	214	**198**	**93**	65-122	
75-34-3	1,1-Dichloroethane	212	**185**	**87**	63-118	
1634-04-4	Methyl tert-Butyl Ether	214	**240**	**112**	57-131	
108-05-4	Vinyl Acetate	1,070	**1090**	**102**	71-128	
78-93-3	2-Butanone (MEK)	212	**197**	**93**	67-123	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200507-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	212	**189**	**89**	64-120	
141-78-6	Ethyl Acetate	432	**403**	**93**	64-131	
110-54-3	n-Hexane	216	**197**	**91**	58-125	
67-66-3	Chloroform	214	**197**	**92**	65-114	
109-99-9	Tetrahydrofuran (THF)	220	**205**	**93**	65-115	
107-06-2	1,2-Dichloroethane	214	**192**	**90**	59-119	
71-55-6	1,1,1-Trichloroethane	214	**201**	**94**	66-115	
71-43-2	Benzene	210	**192**	**91**	66-109	
56-23-5	Carbon Tetrachloride	208	**197**	**95**	66-119	
110-82-7	Cyclohexane	422	**405**	**96**	67-117	
78-87-5	1,2-Dichloropropane	214	**191**	**89**	66-119	
75-27-4	Bromodichloromethane	218	**202**	**93**	71-119	
79-01-6	Trichloroethene	216	**217**	**100**	70-114	
123-91-1	1,4-Dioxane	216	**217**	**100**	71-117	
80-62-6	Methyl Methacrylate	430	**433**	**101**	76-121	
142-82-5	n-Heptane	214	**206**	**96**	66-119	
10061-01-5	cis-1,3-Dichloropropene	214	**218**	**102**	72-125	
108-10-1	4-Methyl-2-pentanone	212	**193**	**91**	68-130	
10061-02-6	trans-1,3-Dichloropropene	212	**200**	**94**	71-132	
79-00-5	1,1,2-Trichloroethane	214	**205**	**96**	70-117	
108-88-3	Toluene	212	**222**	**105**	67-113	
591-78-6	2-Hexanone	216	**210**	**97**	62-135	
124-48-1	Dibromochloromethane	214	**244**	**114**	73-126	
106-93-4	1,2-Dibromoethane	214	**239**	**112**	71-122	
123-86-4	n-Butyl Acetate	218	**230**	**106**	65-134	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200507-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/7/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	216	**219**	**101**	63-120	
127-18-4	Tetrachloroethene	208	**233**	**112**	64-120	
108-90-7	Chlorobenzene	214	**226**	**106**	65-116	
100-41-4	Ethylbenzene	212	**233**	**110**	65-117	
179601-23-1	m,p-Xylenes	426	**455**	**107**	64-121	
75-25-2	Bromoform	214	**261**	**122**	72-130	
100-42-5	Styrene	212	**239**	**113**	72-126	
95-47-6	o-Xylene	214	**229**	**107**	64-120	
111-84-2	n-Nonane	214	**207**	**97**	56-132	
79-34-5	1,1,2,2-Tetrachloroethane	214	**224**	**105**	66-122	
98-82-8	Cumene	214	**238**	**111**	64-121	
80-56-8	alpha-Pinene	212	**254**	**120**	62-136	
103-65-1	n-Propylbenzene	214	**241**	**113**	65-123	
622-96-8	4-Ethyltoluene	210	**251**	**120**	71-126	
108-67-8	1,3,5-Trimethylbenzene	212	**239**	**113**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**256**	**121**	63-129	
100-44-7	Benzyl Chloride	214	**271**	**127**	66-138	
541-73-1	1,3-Dichlorobenzene	214	**254**	**119**	65-127	
106-46-7	1,4-Dichlorobenzene	214	**251**	**117**	65-125	
95-50-1	1,2-Dichlorobenzene	214	**256**	**120**	67-128	
5989-27-5	d-Limonene	212	**235**	**111**	65-136	
96-12-8	1,2-Dibromo-3-chloropropane	214	**245**	**114**	73-133	
120-82-1	1,2,4-Trichlorobenzene	216	**263**	**122**	62-140	
91-20-3	Naphthalene	212	**265**	**125**	57-149	
87-68-3	Hexachlorobutadiene	214	**254**	**119**	57-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200508-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	210	**217**	**103**	51-133	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**216**	**103**	64-115	
74-87-3	Chloromethane	212	**212**	**100**	49-127	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	**209**	**101**	65-114	
75-01-4	Vinyl Chloride	212	**224**	**106**	61-129	
106-99-0	1,3-Butadiene	212	**243**	**115**	54-140	
74-83-9	Bromomethane	212	**231**	**109**	68-120	
75-00-3	Chloroethane	214	**252**	**118**	63-123	
64-17-5	Ethanol	1,060	**1140**	**108**	49-134	
75-05-8	Acetonitrile	214	**212**	**99**	50-137	
107-02-8	Acrolein	206	**280**	**136**	62-128	**L**
67-64-1	Acetone	1,070	**1090**	**102**	56-125	
75-69-4	Trichlorofluoromethane (CFC 11)	212	**217**	**102**	64-115	
67-63-0	2-Propanol (Isopropyl Alcohol)	422	**492**	**117**	57-133	
107-13-1	Acrylonitrile	212	**225**	**106**	64-136	
75-35-4	1,1-Dichloroethene	214	**240**	**112**	67-115	
75-09-2	Methylene Chloride	210	**216**	**103**	68-114	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	**218**	**102**	55-139	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	**231**	**107**	65-115	
75-15-0	Carbon Disulfide	212	**211**	**100**	68-113	
156-60-5	trans-1,2-Dichloroethene	214	**235**	**110**	65-122	
75-34-3	1,1-Dichloroethane	212	**219**	**103**	63-118	
1634-04-4	Methyl tert-Butyl Ether	214	**238**	**111**	57-131	
108-05-4	Vinyl Acetate	1,070	**1270**	**119**	71-128	
78-93-3	2-Butanone (MEK)	212	**230**	**108**	67-123	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.
L = Laboratory control sample recovery outside the specified limits, results may be biased high.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200508-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	212	**223**	**105**	64-120	
141-78-6	Ethyl Acetate	432	**489**	**113**	64-131	
110-54-3	n-Hexane	216	**240**	**111**	58-125	
67-66-3	Chloroform	214	**223**	**104**	65-114	
109-99-9	Tetrahydrofuran (THF)	220	**242**	**110**	65-115	
107-06-2	1,2-Dichloroethane	214	**217**	**101**	59-119	
71-55-6	1,1,1-Trichloroethane	214	**220**	**103**	66-115	
71-43-2	Benzene	210	**221**	**105**	66-109	
56-23-5	Carbon Tetrachloride	208	**213**	**102**	66-119	
110-82-7	Cyclohexane	422	**462**	**109**	67-117	
78-87-5	1,2-Dichloropropane	214	**226**	**106**	66-119	
75-27-4	Bromodichloromethane	218	**227**	**104**	71-119	
79-01-6	Trichloroethene	216	**234**	**108**	70-114	
123-91-1	1,4-Dioxane	216	**247**	**114**	71-117	
80-62-6	Methyl Methacrylate	430	**488**	**113**	76-121	
142-82-5	n-Heptane	214	**241**	**113**	66-119	
10061-01-5	cis-1,3-Dichloropropene	214	**250**	**117**	72-125	
108-10-1	4-Methyl-2-pentanone	212	**232**	**109**	68-130	
10061-02-6	trans-1,3-Dichloropropene	212	**228**	**108**	71-132	
79-00-5	1,1,2-Trichloroethane	214	**228**	**107**	70-117	
108-88-3	Toluene	212	**235**	**111**	67-113	
591-78-6	2-Hexanone	216	**245**	**113**	62-135	
124-48-1	Dibromochloromethane	214	**250**	**117**	73-126	
106-93-4	1,2-Dibromoethane	214	**247**	**115**	71-122	
123-86-4	n-Butyl Acetate	218	**269**	**123**	65-134	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002238
Client Project ID: **Sde Dov / KTE-26-20-Simi** ALS Sample ID: P200508-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/8/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	216	**247**	**114**	63-120	
127-18-4	Tetrachloroethene	208	**233**	**112**	64-120	
108-90-7	Chlorobenzene	214	**233**	**109**	65-116	
100-41-4	Ethylbenzene	212	**246**	**116**	65-117	
179601-23-1	m,p-Xylenes	426	**480**	**113**	64-121	
75-25-2	Bromoform	214	**262**	**122**	72-130	
100-42-5	Styrene	212	**249**	**117**	72-126	
95-47-6	o-Xylene	214	**242**	**113**	64-120	
111-84-2	n-Nonane	214	**239**	**112**	56-132	
79-34-5	1,1,2,2-Tetrachloroethane	214	**241**	**113**	66-122	
98-82-8	Cumene	214	**246**	**115**	64-121	
80-56-8	alpha-Pinene	212	**275**	**130**	62-136	
103-65-1	n-Propylbenzene	214	**253**	**118**	65-123	
622-96-8	4-Ethyltoluene	210	**235**	**112**	71-126	
108-67-8	1,3,5-Trimethylbenzene	212	**246**	**116**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**264**	**125**	63-129	
100-44-7	Benzyl Chloride	214	**284**	**133**	66-138	
541-73-1	1,3-Dichlorobenzene	214	**257**	**120**	65-127	
106-46-7	1,4-Dichlorobenzene	214	**252**	**118**	65-125	
95-50-1	1,2-Dichlorobenzene	214	**259**	**121**	67-128	
5989-27-5	d-Limonene	212	**255**	**120**	65-136	
96-12-8	1,2-Dibromo-3-chloropropane	214	**242**	**113**	73-133	
120-82-1	1,2,4-Trichlorobenzene	216	**255**	**118**	62-140	
91-20-3	Naphthalene	212	**259**	**122**	57-149	
87-68-3	Hexachlorobutadiene	214	**235**	**110**	57-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Response Factor Report MS13

Method Path : I:\MS13\METHODS\
Method File : R13042220.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
Last Update : Thu Apr 23 05:30:40 2020
Response Via : Initial Calibration

Calibration Files
0.1 =04222015.D 0.2 =04222016.D 0.5 =04222040.D 1.0 =04222018.D 5.0 =04222020.D 25 =04222021.D 50 =04222022.D
100 =04222023.D

4/23/20

		Compound	0.1	0.2	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane...	----------ISTD----------									
2)	T	Propene	1.646	1.672	1.826	1.916	2.000	1.836	1.635	1.618	1.769	8.23
3)	T	Dichlorodifluo...	2.353	2.342	2.550	2.576	2.568	2.411	2.217	2.171	2.399	6.56
4)	T	Chloromethane	1.924	2.128	2.557	2.343	2.342	2.376	2.205	2.196	2.259	8.40
5)	T	1,2-Dichloro-1...	1.336	1.220	1.286	1.292	1.294	1.197	1.157	1.163	1.243	5.44
6)	T	Vinyl Chloride	1.752	1.907	1.923	2.077	2.127	2.093	1.987	1.966	1.979	6.18
7)	T	1,3-Butadiene	1.308	1.383	1.674	1.694	1.835	1.846	1.726	1.658	1.641	11.94
8)	T	Bromomethane	0.889	0.957	1.074	1.039	1.091	1.163	1.078	1.115	1.051	8.40
9)	T	Chloroethane	0.833	0.946	1.097	1.007	1.020	1.104	0.975	0.986	0.996	8.69
10)	T	Ethanol	1.456	1.201	1.391	1.218	1.118	1.395	1.146	1.056	1.248	11.84
11)	T	Acetonitrile		3.866	4.336	3.111	3.068	3.494	2.898	2.936	3.387	16.00
12)	T	Acrolein	0.744	0.705	0.969	0.805	0.854	0.800	0.675	0.742	0.787	11.87
13)	T	Acetone	1.371	1.162	1.284	1.137	1.107	1.158	0.954	0.892	1.133	13.84
14)	T	Trichlorofluor...	2.038	2.026	2.180	2.020	2.028	2.032	1.838	1.859	2.003	5.43
15)	T	2-Propanol (Is...	3.386	3.080	3.803	3.597	3.670	4.145	3.496	3.510	3.586	8.67
16)	T	Acrylonitrile	2.024	1.827	2.312	2.096	2.029	2.230	1.973	2.040	2.066	7.27
17)	T	1,1-Dichloroet...	1.036	1.041	1.129	1.159	1.181	1.211	1.175	1.205	1.142	6.04
18)	T	2-Methyl-2-Pro...			0.581	0.802	0.554	0.528	0.506	0.422	0.565	22.65
19)	T	Methylene Chlo...	1.526	1.269	1.406	1.348	1.295	1.337	1.309	1.344	1.354	5.96
20)	T	3-Chloro-1-pro...	2.493	2.223	2.679	2.627	2.440	2.656	2.581	2.575	2.534	5.89
21)	T	Trichlorotrifl...	0.950	0.985	0.989	1.048	1.037	0.992	0.980	1.039	1.003	3.47
22)	T	Carbon Disulfide		6.094	6.038	4.926	4.737	4.904	4.763	4.763	5.175	11.85
23)	T	trans-1,2-Dich...	1.730	1.690	1.941	1.926	1.858	2.043	1.984	1.999	1.896	6.75
24)	T	1,1-Dichloroet...	2.353	2.330	2.495	2.543	2.332	2.467	2.379	2.362	2.408	3.40
25)	T	Methyl tert-Bu...	1.229	1.416	0.804	1.125	1.231	0.801	0.654	0.568	0.978	31.75
26)	T	Vinyl Acetate		0.189	0.248	0.244	0.289	0.303	0.294	0.299	0.267	15.65
27)	T	2-Butanone (MEK)			0.815	0.882	0.920	0.966	0.950	0.984	0.920	6.80
28)	T	cis-1,2-Dichlo...	1.829	1.727	1.928	1.884	1.796	1.955	1.892	1.897	1.863	4.01
29)	T	Diisopropyl Ether	0.857	0.940	1.079	1.125	1.142	1.010	0.977	0.941	1.009	9.88
30)	T	Ethyl Acetate		0.376	0.497	0.522	0.519	0.576	0.543	0.496	0.504	12.44
31)	T	n-Hexane	2.142	2.269	2.386	2.384	2.296	2.388	2.218	2.026	2.264	5.77
32)	T	Chloroform	1.932	2.006	2.182	2.176	2.054	2.147	2.093	2.113	2.088	4.17
33)	S	1,2-Dichloroet...	1.679	1.706	1.722	1.715	1.558	1.696	1.659	1.640	1.672	3.22
34)	T	Tetrahydrofura...	0.770	0.785	0.878	0.868	0.886	0.930	0.886	0.924	0.866	6.78
35)	T	Ethyl tert-But...		0.635	0.537	0.702	0.758	0.638	0.573	0.511	0.622	14.28
36)	T	1,2-Dichloroet...	1.582	1.564	1.710	1.660	1.540	1.661	1.592	1.584	1.612	3.62
37)	IR	1,4-Difluorobenzen...	----------ISTD----------									
38)	T	1,1,1-Trichlor...	0.373	0.386	0.401	0.411	0.394	0.406	0.398	0.397	0.396	2.95
39)	T	Isopropyl Acetate	0.143	0.158	0.187	0.200	0.197	0.218	0.211	0.194	0.189	13.69
40)	T	1-Butanol			0.249	0.256	0.296	0.306	0.304	0.279	0.282	8.68
41)	T	Benzene	1.172	1.151	1.229	1.217	1.186	1.203	1.164	1.054	1.172	4.65
42)	T	Carbon Tetrach...	0.325	0.336	0.363	0.363	0.360	0.363	0.355	0.359	0.353	4.05

Method Path : I:\MS13\METHODS\
Method File : R13042220.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

43)	T	Cyclohexane	0.390	0.407	0.442	0.455	0.446	0.453	0.438	0.417	0.431	5.49
44)	T	tert-Amyl Meth...	0.430	0.432	0.344	0.416	0.442	0.408	0.371	0.340	0.398	10.21
45)	T	1,2-Dichloropr...	0.295	0.304	0.320	0.324	0.306	0.323	0.305	0.311	0.311	3.37
46)	T	Bromodichlorom...	0.334	0.325	0.355	0.367	0.360	0.383	0.378	0.376	0.360	5.85
47)	T	Trichloroethene	0.272	0.244	0.266	0.277	0.291	0.285	0.287	0.297	0.277	6.00
48)	T	1,4-Dioxane		0.166	0.192	0.220	0.234	0.247	0.247	0.252	0.223	14.55
49)	T	2,2,4-Trimethy...	1.038	1.030	1.073	1.085	1.064	1.161	1.136	1.075	1.083	4.18
50)	T	Methyl Methacr...			0.084	0.099	0.114	0.119	0.120	0.121	0.110	13.70
51)	T	n-Heptane	0.233	0.266	0.300	0.316	0.297	0.311	0.306	0.299	0.291	9.54
52)	T	cis-1,3-Dichlo...	0.375	0.371	0.444	0.461	0.477	0.520	0.511	0.486	0.456	12.43
53)	T	4-Methyl-2-pen...			0.238	0.274	0.289	0.332	0.323	0.303	0.293	11.73
54)	T	trans-1,3-Dich...			0.371	0.387	0.418	0.457	0.449	0.444	0.421	8.43
55)	T	1,1,2-Trichlor...	0.228	0.244	0.271	0.271	0.270	0.275	0.272	0.273	0.263	6.54
56)	IR	Chlorobenzene-d5 (...	----------ISTD----------									
57)	S	Toluene-d8 (SS2)	2.327	2.333	2.251	2.304	2.333	2.298	2.295	2.327	2.309	1.21
58)	T	Toluene	2.256	2.158	2.197	2.230	2.304	2.244	2.177	2.143	2.214	2.47
59)	T	2-Hexanone			1.045	1.303	1.391	1.614	1.455	1.497	1.384	14.15
60)	T	Dibromochlorom...	0.453	0.487	0.504	0.538	0.601	0.595	0.586	0.622	0.548	11.26
61)	T	1,2-Dibromoethane	0.440	0.473	0.521	0.530	0.583	0.579	0.574	0.598	0.537	10.62
62)	T	n-Butyl Acetate			1.030	1.300	1.536	1.898	1.836	1.769	1.561	21.88
63)	T	n-Octane	0.387	0.428	0.520	0.562	0.549	0.569	0.555	0.533	0.513	13.21
64)	T	Tetrachloroethene	0.569	0.552	0.547	0.556	0.632	0.584	0.590	0.633	0.583	5.84
65)	T	Chlorobenzene	1.496	1.390	1.378	1.429	1.510	1.431	1.404	1.418	1.432	3.31
66)	T	Ethylbenzene	2.020	2.123	2.265	2.364	2.663	2.553	2.463	2.377	2.354	9.09
67)	T	m- & p-Xylenes	1.667	1.694	1.846	1.926	2.067	1.985	1.893	1.812	1.861	7.35
68)	T	Bromoform	0.378	0.368	0.387	0.418	0.486	0.494	0.508	0.551	0.449	15.42
69)	T	Styrene			1.121	1.328	1.603	1.584	1.553	1.569	1.460	13.31
70)	T	o-Xylene	1.577	1.698	1.838	1.935	2.123	2.036	1.932	1.922	1.883	9.36
71)	T	n-Nonane	1.009	1.077	1.256	1.407	1.554	1.459	1.265	1.175	1.275	14.81
72)	T	1,1,2,2-Tetrac...	0.801	0.869	0.915	0.956	1.035	1.010	0.968	0.987	0.943	8.23
73)	S	Bromofluoroben...	0.614	0.611	0.623	0.617	0.653	0.624	0.629	0.638	0.626	2.26
74)	T	Cumene	2.108	2.168	2.237	2.344	2.634	2.455	2.384	2.153	2.311	7.74
75)	T	alpha-Pinene	0.935	0.902	1.009	1.007	1.213	0.751	0.769	0.769	0.919	17.25
76)	T	n-Propylbenzene	2.292	2.355	2.738	2.936	3.294	2.928	2.945	2.638	2.766	12.04
77)	T	3-Ethyltoluene	1.713	1.796	2.137	2.257	2.552	2.569	2.462	2.423	2.239	14.85
78)	T	4-Ethyltoluene	1.622	1.943	1.990	2.395	2.626	2.286	2.347	2.098	2.163	14.54
79)	T	1,3,5-Trimethy...	1.609	1.626	1.777	1.999	2.178	2.052	2.054	1.986	1.910	11.11
80)	T	alpha-Methylst...			0.727	0.924	1.094	1.143	1.150	1.153	1.032	16.75
81)	T	2-Ethyltoluene	1.813	1.876	2.117	2.359	2.572	2.442	2.399	2.263	2.230	12.22
82)	T	1,2,4-Trimethy...	1.335	1.432	1.631	1.954	2.197	2.176	2.075	1.872	1.834	18.13
83)	T	n-Decane			0.920	1.330	1.469	1.442	1.364	1.246	1.295	15.49
84)	T	Benzyl Chloride		1.051	1.203	1.555	1.922	1.557	1.577	1.566	1.490	19.07
85)	T	1,3-Dichlorobe...	0.928	0.868	0.945	1.097	1.231	1.217	1.248	1.276	1.101	15.01
86)	T	1,4-Dichlorobe...	0.959	0.919	0.931	1.151	1.228	1.224	1.231	1.288	1.117	13.78
87)	T	sec-Butylbenzene	2.050	2.221	2.472	2.630	2.951	2.843	2.732	2.543	2.555	11.93
88)	T	4-Isopropyltol...	1.696	1.822	2.051	2.359	2.651	2.615	2.389	2.052	2.204	16.07
89)	T	1,2,3-Trimethy...	1.322	1.445	1.643	1.967	2.207	2.211	2.080	1.850	1.841	18.47
90)	T	1,2-Dichlorobe...	0.842	0.923	0.949	1.047	1.177	1.180	1.174	1.131	1.053	12.69
91)	T	d-Limonene			0.682	0.787	0.934	0.975	0.860	0.779	0.836	12.98
92)	T	1,2-Dibromo-3-...			0.306	0.330	0.403	0.428	0.443	0.468	0.396	16.32
93)	T	n-Undecane				1.168	1.387	1.501	1.417	1.278	1.350	9.58
94)	T	1,2,4-Trichlor...			0.393	0.652	0.769	0.891	0.918	0.978	0.767	28.34

Method Path : I:\MS13\METHODS\
Method File : R13042220.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

95)	T	Naphthalene			0.970	2.080	2.460	3.062	3.005	2.702	2.380	32.78
96)	T	n-Dodecane				0.787	1.038	1.570	1.449	1.215	1.212	25.93
97)	T	Hexachlorobuta...	0.390	0.439	0.454	0.455	0.509	0.532	0.560	0.617	0.495	14.93
98)	T	Cyclohexanone			0.615	0.814	0.959	0.931	0.905	0.946	0.862	15.25
99)	T	tert-Butylbenzene	1.460	1.618	1.758	1.873	2.109	2.026	1.894	1.712	1.806	11.82
100)	T	n-Butylbenzene	1.295	1.449	1.743	2.106	2.408	2.393	2.211	2.042	1.956	21.42

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\07\05072001.D Vial: 1
Acq On : 7 May 2020 9:36 Operator: WA
Sample : CCV R13050720 25ng Inst : MS13
Misc : S34-03262001/S34-04242001 (5/25)

Quant Time: May 07 11:11:47 2020
Quant Method : I:\MS13\METHODS\R13042220.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Thu Apr 23 05:30:40 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

5/7/20

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	84	0.02
2	T	Propene	1.769	1.866	-5.5	85	-0.03
3	T	Dichlorodifluoromethane (CF	2.399	2.483	-3.5	86	-0.02
4	T	Chloromethane	2.259	2.427	-7.4	85	-0.02
5	T	1,2-Dichloro-1,1,2,2-tetraf	1.243	1.273	-2.4	89	0.00
6	T	Vinyl Chloride	1.979	2.131	-7.7	85	0.00
7	T	1,3-Butadiene	1.641	1.716	-4.6	78	0.00
8	T	Bromomethane	1.051	1.106	-5.2	80	0.00
9	T	Chloroethane	0.996	0.958	3.8	73	0.00
10	T	Ethanol	1.248	1.057	15.3	63	0.05
11	T	Acetonitrile	3.387	2.588	23.6	62	0.02
12	T	Acrolein	0.787	0.864	-9.8	90	0.00
13	T	Acetone	1.133	0.946	16.5	68	0.00
14	T	Trichlorofluoromethane	2.003	1.861	7.1	77	0.00
15	T	2-Propanol (Isopropanol)	3.586	3.307	7.8	67	-0.01
16	T	Acrylonitrile	2.066	1.779	13.9	67	0.01
17	T	1,1-Dichloroethene	1.142	1.129	1.1	78	0.00
18	T	2-Methyl-2-Propanol (tert-B	0.565	0.878	-55.4#	139	-0.09
19	T	Methylene Chloride	1.354	1.208	10.8	76	0.02
20	T	3-Chloro-1-propene (Allyl C	2.534	2.065	18.5	65	0.00
21	T	Trichlorotrifluoroethane	1.003	0.999	0.4	84	0.00
22	T	Carbon Disulfide	5.175	4.411	14.8	75	0.00
23	T	trans-1,2-Dichloroethene	1.896	1.727	8.9	71	0.01
24	T	1,1-Dichloroethane	2.408	2.112	12.3	72	0.02
25	T	Methyl tert-Butyl Ether	0.978	1.020	-4.3	107	-0.06
26	T	Vinyl Acetate	0.267	0.274	-2.6	76	0.01
27	T	2-Butanone (MEK)	0.920	0.853	7.3	74	-0.03
28	T	cis-1,2-Dichloroethene	1.863	1.653	11.3	71	0.02
29	T	Diisopropyl Ether	1.009	0.990	1.9	82	-0.01
30	T	Ethyl Acetate	0.504	0.476	5.6	69	-0.02
31	T	n-Hexane	2.264	2.035	10.1	71	0.00
32	T	Chloroform	2.088	1.921	8.0	75	0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.672	1.490	10.9	73	0.01
34	T	Tetrahydrofuran (THF)	0.866	0.813	6.1	73	-0.05
35	T	Ethyl tert-Butyl Ether	0.622	0.368	40.8#	48#	-0.01
36	T	1,2-Dichloroethane	1.612	1.447	10.2	73	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	84	0.01
38	T	1,1,1-Trichloroethane	0.396	0.369	6.8	76	0.00
39	T	Isopropyl Acetate	0.189	0.180	4.8	69	-0.02
40	T	1-Butanol	0.282	0.217	23.0	59	-0.05
41	T	Benzene	1.172	1.083	7.6	75	0.01
42	T	Carbon Tetrachloride	0.353	0.329	6.8	76	0.00
43	T	Cyclohexane	0.431	0.412	4.4	76	0.01
44	T	tert-Amyl Methyl Ether	0.398	0.255	35.9#	52	-0.02
45	T	1,2-Dichloropropane	0.311	0.277	10.9	72	0.00
46	T	Bromodichloromethane	0.360	0.344	4.4	75	0.00
47	T	Trichloroethene	0.277	0.285	-2.9	84	0.00
48	T	1,4-Dioxane	0.223	0.222	0.4	75	-0.03
49	T	2,2,4-Trimethylpentane (Iso	1.083	1.084	-0.1	78	0.00
50	T	Methyl Methacrylate	0.110	0.112	-1.8	79	-0.01
51	T	n-Heptane	0.291	0.278	4.5	75	0.00
52	T	cis-1,3-Dichloropropene	0.456	0.457	-0.2	74	0.00
53	T	4-Methyl-2-pentanone	0.293	0.266	9.2	67	-0.02
54	T	trans-1,3-Dichloropropene	0.421	0.405	3.8	74	-0.01
55	T	1,1,2-Trichloroethane	0.263	0.254	3.4	77	0.00

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\07\05072001.D Vial: 1
Acq On : 7 May 2020 9:36 Operator: WA
Sample : CCV R13050720 25ng Inst : MS13
Misc : S34-03262001/S34-04242001 (5/25)

Quant Time: May 07 11:11:47 2020
Quant Method : I:\MS13\METHODS\R13042220.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Thu Apr 23 05:30:40 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	76	0.00
57	S	Toluene-d8 (SS2)	2.309	2.399	-3.9	79	0.00
58	T	Toluene	2.214	2.275	-2.8	77	0.00
59	T	2-Hexanone	1.384	1.333	3.7	62	-0.03
60	T	Dibromochloromethane	0.548	0.626	-14.2	79	0.00
61	T	1,2-Dibromoethane	0.537	0.603	-12.3	79	0.00
62	T	n-Butyl Acetate	1.561	1.726	-10.6	69	-0.02
63	T	n-Octane	0.513	0.517	-0.8	69	0.00
64	T	Tetrachloroethene	0.583	0.659	-13.0	85	0.00
65	T	Chlorobenzene	1.432	1.515	-5.8	80	0.00
66	T	Ethylbenzene	2.354	2.563	-8.9	76	0.00
67	T	m- & p-Xylenes	1.861	1.977	-6.2	75	0.00
68	T	Bromoform	0.449	0.541	-20.5	83	0.00
69	T	Styrene	1.460	1.625	-11.3	77	0.00
70	T	o-Xylene	1.883	2.019	-7.2	75	0.00
71	T	n-Nonane	1.275	1.230	3.5	64	0.00
72	T	1,1,2,2-Tetrachloroethane	0.943	0.965	-2.3	72	0.00
73	S	Bromofluorobenzene (SS3)	0.626	0.729	-16.5	88	0.00
74	T	Cumene	2.311	2.552	-10.4	79	0.00
75	T	alpha-Pinene	0.919	1.102	-19.9	111	0.00
76	T	n-Propylbenzene	2.766	3.104	-12.2	80	0.00
77	T	3-Ethyltoluene	2.239	2.503	-11.8	74	0.00
78	T	4-Ethyltoluene	2.163	2.600	-20.2	86	0.00
79	T	1,3,5-Trimethylbenzene	1.910	2.130	-11.5	78	0.00
80	T	alpha-Methylstyrene	1.032	1.218	-18.0	80	0.00
81	T	2-Ethyltoluene	2.230	2.526	-13.3	78	0.00
82	T	1,2,4-Trimethylbenzene	1.834	2.198	-19.8	76	0.00
83	T	n-Decane	1.295	1.266	2.2	66	0.00
84	T	Benzyl Chloride	1.490	1.834	-23.1	89	0.00
85	T	1,3-Dichlorobenzene	1.101	1.316	-19.5	82	0.00
86	T	1,4-Dichlorobenzene	1.117	1.325	-18.6	82	0.00
87	T	sec-Butylbenzene	2.555	2.901	-13.5	77	0.00
88	T	4-Isopropyltoluene (p-Cymen	2.204	2.693	-22.2	78	0.00
89	T	1,2,3-Trimethylbenzene	1.841	2.219	-20.5	76	0.00
90	T	1,2-Dichlorobenzene	1.053	1.263	-19.9	81	0.00
91	T	d-Limonene	0.836	0.912	-9.1	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.396	0.445	-12.4	78	0.00
93	T	n-Undecane	1.350	1.295	4.1	65	0.00
94	T	1,2,4-Trichlorobenzene	0.767	0.928	-21.0	79	0.00
95	T	Naphthalene	2.380	2.902	-21.9	72	0.00
96	T	n-Dodecane	1.212	1.197	1.2	58	0.00
97	T	Hexachlorobutadiene	0.495	0.556	-12.3	79	0.00
98	T	Cyclohexanone	0.862	0.830	3.7	67	-0.02
99	T	tert-Butylbenzene	1.806	2.072	-14.7	77	0.00
100	T	n-Butylbenzene	1.956	2.324	-18.8	73	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\08\05082002.D Vial: 1
Acq On : 8 May 2020 4:31 Operator: WA
Sample : CCV R13050820 25ng Inst : MS13
Misc : S34-03262001/S34-04242001 (5/23)

Quant Time: May 08 05:03:58 2020
Quant Method : I:\MS13\METHODS\R13042220.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Thu Apr 23 05:30:40 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

WA 5/8/20

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	93	0.02
2	T	Propene	1.769	1.717	2.9	87	-0.03
3	T	Dichlorodifluoromethane (CF	2.399	2.462	-2.6	95	-0.02
4	T	Chloromethane	2.259	2.631	-16.5	103	-0.03
5	T	1,2-Dichloro-1,1,2,2-tetraf	1.243	1.314	-5.7	102	-0.01
6	T	Vinyl Chloride	1.979	2.282	-15.3	101	-0.01
7	T	1,3-Butadiene	1.641	2.064	-25.8	104	0.00
8	T	Bromomethane	1.051	1.241	-18.1	99	0.00
9	T	Chloroethane	0.996	1.131	-13.6	95	0.00
10	T	Ethanol	1.248	1.346	-7.9	90	0.05
11	T	Acetonitrile	3.387	3.314	2.2	88	0.02
12	T	Acrolein	0.787	1.053	-33.8#	123	-0.01
13	T	Acetone	1.133	1.142	-0.8	92	0.00
14	T	Trichlorofluoromethane	2.003	2.035	-1.6	93	0.00
15	T	2-Propanol (Isopropanol)	3.586	4.121	-14.9	93	-0.02
16	T	Acrylonitrile	2.066	2.184	-5.7	91	0.01
17	T	1,1-Dichloroethene	1.142	1.274	-11.6	98	0.00
18	T	2-Methyl-2-Propanol (tert-B	0.565	0.930	-64.6#	164	-0.09
19	T	Methylene Chloride	1.354	1.383	-2.1	96	0.02
20	T	3-Chloro-1-propene (Allyl C	2.534	2.641	-4.2	93	0.00
21	T	Trichlorotrifluoroethane	1.003	1.083	-8.0	102	0.00
22	T	Carbon Disulfide	5.175	5.101	1.4	97	0.00
23	T	trans-1,2-Dichloroethene	1.896	2.044	-7.8	93	0.01
24	T	1,1-Dichloroethane	2.408	2.484	-3.2	94	0.02
25	T	Methyl tert-Butyl Ether	0.978	1.050	-7.4	122	-0.06
26	T	Vinyl Acetate	0.267	0.315	-18.0	97	0.00
27	T	2-Butanone (MEK)	0.920	0.988	-7.4	95	-0.03
28	T	cis-1,2-Dichloroethene	1.863	1.948	-4.6	93	0.01
29	T	Diisopropyl Ether	1.009	1.150	-14.0	106	-0.01
30	T	Ethyl Acetate	0.504	0.574	-13.9	93	-0.02
31	T	n-Hexane	2.264	2.497	-10.3	97	0.00
32	T	Chloroform	2.088	2.162	-3.5	94	0.02
33	S	1,2-Dichloroethane-d4(SS1)	1.672	1.553	7.1	85	0.01
34	T	Tetrahydrofuran (THF)	0.866	0.952	-9.9	95	-0.05
35	T	Ethyl tert-Butyl Ether	0.622	0.369	40.7#	54	-0.01
36	T	1,2-Dichloroethane	1.612	1.627	-0.9	91	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	94	0.01
38	T	1,1,1-Trichloroethane	0.396	0.400	-1.0	93	0.00
39	T	Isopropyl Acetate	0.189	0.217	-14.8	93	-0.02
40	T	1-Butanol	0.282	0.274	2.8	84	-0.05
41	T	Benzene	1.172	1.241	-5.9	97	0.00
42	T	Carbon Tetrachloride	0.353	0.355	-0.6	92	0.00
43	T	Cyclohexane	0.431	0.471	-9.3	98	0.00
44	T	tert-Amyl Methyl Ether	0.398	0.265	33.4#	61	-0.02
45	T	1,2-Dichloropropane	0.311	0.326	-4.8	95	0.00
46	T	Bromodichloromethane	0.360	0.382	-6.1	94	0.00
47	T	Trichloroethene	0.277	0.306	-10.5	101	0.00
48	T	1,4-Dioxane	0.223	0.253	-13.5	96	-0.03
49	T	2,2,4-Trimethylpentane (Iso	1.083	1.343	-24.0	109	0.00
50	T	Methyl Methacrylate	0.110	0.125	-13.6	99	-0.01
51	T	n-Heptane	0.291	0.326	-12.0	99	0.00
52	T	cis-1,3-Dichloropropene	0.456	0.522	-14.5	95	0.00
53	T	4-Methyl-2-pentanone	0.293	0.323	-10.2	91	-0.02
54	T	trans-1,3-Dichloropropene	0.421	0.457	-8.6	94	-0.01
55	T	1,1,2-Trichloroethane	0.263	0.281	-6.8	96	0.00

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\08\05082002.D Vial: 1
Acq On : 8 May 2020 4:31 Operator: WA
Sample : CCV R13050820 25ng Inst : MS13
Misc : S34-03262001/S34-04242001 (5/23)

Quant Time: May 08 05:03:58 2020
Quant Method : I:\MS13\METHODS\R13042220.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Thu Apr 23 05:30:40 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	89	0.00
57	S	Toluene-d8 (SS2)	2.309	2.346	-1.6	91	0.00
58	T	Toluene	2.214	2.435	-10.0	97	0.00
59	T	2-Hexanone	1.384	1.565	-13.1	86	-0.03
60	T	Dibromochloromethane	0.548	0.641	-17.0	96	0.00
61	T	1,2-Dibromoethane	0.537	0.624	-16.2	96	0.00
62	T	n-Butyl Acetate	1.561	2.049	-31.3#	96	-0.02
63	T	n-Octane	0.513	0.586	-14.2	92	0.00
64	T	Tetrachloroethene	0.583	0.657	-12.7	100	0.00
65	T	Chlorobenzene	1.432	1.569	-9.6	98	0.00
66	T	Ethylbenzene	2.354	2.644	-12.3	92	0.00
67	T	m- & p-Xylenes	1.861	1.951	-4.8	88	0.00
68	T	Bromoform	0.449	0.530	-18.0	96	0.00
69	T	Styrene	1.460	1.636	-12.1	92	0.00
70	T	o-Xylene	1.883	2.033	-8.0	89	0.00
71	T	n-Nonane	1.275	1.373	-7.7	84	0.00
72	T	1,1,2,2-Tetrachloroethane	0.943	0.982	-4.1	87	0.00
73	S	Bromofluorobenzene (SS3)	0.626	0.677	-8.1	97	0.00
74	T	Cumene	2.311	2.652	-14.8	96	0.00
75	T	alpha-Pinene	0.919	1.235	-34.4#	147	0.00
76	T	n-Propylbenzene	2.766	3.260	-17.9	99	0.00
77	T	3-Ethyltoluene	2.239	2.588	-15.6	90	0.00
78	T	4-Ethyltoluene	2.163	2.700	-24.8	105	0.00
79	T	1,3,5-Trimethylbenzene	1.910	2.220	-16.2	96	0.00
80	T	alpha-Methylstyrene	1.032	1.254	-21.5	98	0.00
81	T	2-Ethyltoluene	2.230	2.618	-17.4	96	0.00
82	T	1,2,4-Trimethylbenzene	1.834	2.289	-24.8	94	0.00
83	T	n-Decane	1.295	1.424	-10.0	88	0.00
84	T	Benzyl Chloride	1.490	1.947	-30.7#	112	0.00
85	T	1,3-Dichlorobenzene	1.101	1.329	-20.7	97	0.00
86	T	1,4-Dichlorobenzene	1.117	1.335	-19.5	97	0.00
87	T	sec-Butylbenzene	2.555	3.006	-17.7	94	0.00
88	T	4-Isopropyltoluene (p-Cymen	2.204	2.753	-24.9	94	0.00
89	T	1,2,3-Trimethylbenzene	1.841	2.301	-25.0	93	0.00
90	T	1,2-Dichlorobenzene	1.053	1.282	-21.7	97	0.00
91	T	d-Limonene	0.836	1.006	-20.3	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.396	0.452	-14.1	94	0.00
93	T	n-Undecane	1.350	1.458	-8.0	87	0.00
94	T	1,2,4-Trichlorobenzene	0.767	0.938	-22.3	94	0.00
95	T	Naphthalene	2.380	3.057	-28.4	89	0.00
96	T	n-Dodecane	1.212	1.416	-16.8	80	0.00
97	T	Hexachlorobutadiene	0.495	0.562	-13.5	94	0.00
98	T	Cyclohexanone	0.862	0.879	-2.0	84	-0.02
99	T	tert-Butylbenzene	1.806	2.165	-19.9	95	0.00
100	T	n-Butylbenzene	1.956	2.441	-24.8	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

2655 Park Center Dr., Suite A
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www.alsglobal.com

LABORATORY REPORT

May 12, 2020

Eyal Shvartz
Dr. Katz Technologies & Enterprises (KTE)
HaMeginim Ave. 53
Haifa, ISR-HA 33265

RE: SDE DOV / KTE-27-20-Simi

Dear Eyal:

Enclosed are the results of the samples submitted to our laboratory on April 28, 2020. For your reference, these analyses have been assigned our service request number P2002314.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 4:04 pm, May 12, 2020

Sue Anderson
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: Dr. Katz Technologies & Enterprises (KTE) Service Request No: P2002314
Project: SDE DOV / KTE-27-20-Simi

CASE NARRATIVE

The samples were received intact under chain of custody on April 28, 2020 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The upper control criterion was exceeded for naphthalene in the Continuing Calibration Verification (CCV) analyzed on May 11, 2020. Since the apparent problem equates to a potential high bias and the field samples analyzed in this sequence did not contain the analyte in question, the data quality has not been affected. No corrective action was required.

The minimum criterion for ethanol was not met in the Continuing Calibration Verification (CCV) analyzed on May 12, 2020. In accordance with ALS Environmental standard operating procedures, a Method Reporting Limit (MRL) check standard containing the analyte of concern was analyzed and verified that instrument sensitivity was adequate to detect the analyte at the MRL on the day of analysis. Since Ethanol was found in the field samples above the MRL, the data quality has not been significantly affected. The data has been qualified accordingly.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.1 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

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Simi Valley, CA 93065
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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-007
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Dr. Katz Technologies & Enterprises (KTE) Service Request: P2002314

Project ID: SDE DOV / KTE-27-20-Simi

Date Received: 4/28/2020

Time Received: 09:15

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	2nd Pi (psig)	2nd Pf (psig)	TO-15 - VOC Cans
SG-2.1	P2002314-001	Air	4/22/2020	08:13	1SS00027	-1.24	6.49	1.61	10.15	X
SG-2.16	P2002314-002	Air	4/22/2020	08:49	1SS00045	-2.51	5.68	3.69	10.35	X
SG-14.27	P2002314-003	Air	4/22/2020	09:29	1SC00144	0.01	5.91			X
SG-14.24	P2002314-004	Air	4/22/2020	10:59	1SC00895	0.01	5.72			X
SG-14.21	P2002314-005	Air	4/22/2020	11:30	1SC00375	-2.45	5.68			X
SG-14.3	P2002314-006	Air	4/22/2020	12:10	1SC01104	-2.89	5.87			X
SG-14.12	P2002314-007	Air	4/22/2020	12:45	1SC00847	-1.78	6.66			X
AB	P2002314-008	Air	4/22/2020	00:00	1SC00158	0.09	5.51			X

Air - Chain of Custody Record & Analytical Service Request

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. P2002314

ALS Contact:

Company Name & Address (Reporting Information): KTG

Project Name: SDE DOV

Project Number: KTG-22-7[illegible]-SIM[illegible]

Project Manager:

P.O. # / Billing Information:

Phone:

Fax:

Email Address for Result Reporting:

Sampler (Print & Sign):

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	TO-15		Comments e.g. Actual Preservative or specific instructions
SG-2.1	1	22/4/[illegible]	[illegible]	[illegible]	[illegible]	-26	-5	1L	✓		
SG-2.15	2	22/4/[illegible]	[illegible]	[illegible]	[illegible]	-29	-5	1L	✓		
SG-1[illegible].27	3	22/4/[illegible]	[illegible]	[illegible]	[illegible]	-26	-5	1L	✓		
SG-1[illegible].28	4	22/4/[illegible]	[illegible]	[illegible]	[illegible]	-30	-5	1L	✓		
SG-1[illegible].31	5	22/4/[illegible]	[illegible]	[illegible]	[illegible]	-26	-5	1L	✓		
SG-1[illegible].3	6	22/4/[illegible]	[illegible]	[illegible]	[illegible]	-31	-5	1L	✓		
SG-1[illegible].32	7	22/4/[illegible]	[illegible]	[illegible]	[illegible]	-26	-5	1L	✓		
AB	8	[illegible]		[illegible]	[illegible]			1L	✓		

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) ____
Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[illegible]	[illegible]				
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
			[illegible]	4-28-22	0915

Cooler / Blank Temperature ____ °C

ALS Environmental
Sample Acceptance Check Form

Client: Dr. Katz Technologies & Enterprises (KTE) Work order: P2002314
Project: SDE DOV / KTE-27-20-Simi
Sample(s) received on: 4/28/20 Date opened: 4/28/20 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2002314-001.01	1.0 L Source Silonite Canister					
P2002314-002.01	1.0 L Source Silonite Canister					
P2002314-003.01	1.0 L Source Can					
P2002314-004.01	1.0 L Source Can					
P2002314-005.01	1.0 L Source Can					
P2002314-006.01	1.0 L Source Can					
P2002314-007.01	1.0 L Source Can					
P2002314-008.01	1.0 L Source Can					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.1** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-001

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00027

Initial Pressure (psig): -1.24 Final Pressure (psig): 6.49
Initial Pressure 2 (psig): 1.61 Final Pressure 2 (psig): 10.15
Canister Dilution Factor: 2.40

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.78	3.2	0.78	<0.45	1.8	0.45	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.6**	3.2	0.52	**0.53**	0.64	0.11	**J**
74-87-3	Chloromethane	<0.52	3.2	0.52	<0.25	1.5	0.25	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.50	3.2	0.50	<0.072	0.46	0.072	
75-01-4	Vinyl Chloride	<0.34	3.2	0.34	<0.13	1.3	0.13	
106-99-0	1,3-Butadiene	<0.53	3.2	0.53	<0.24	1.4	0.24	
74-83-9	Bromomethane	<0.44	3.2	0.44	<0.11	0.83	0.11	
75-00-3	Chloroethane	<0.40	3.2	0.40	<0.15	1.2	0.15	
64-17-5	Ethanol	**15**	31	2.2	**7.8**	17	1.2	**J**
75-05-8	Acetonitrile	<0.78	3.2	0.78	<0.46	1.9	0.46	
107-02-8	Acrolein	<0.90	6.0	0.90	<0.39	2.6	0.39	
67-64-1	Acetone	**12**	32	7.2	**5.0**	13	3.0	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**20**	3.2	0.49	**3.6**	0.57	0.087	
67-63-0	2-Propanol (Isopropyl Alcohol)	<1.3	13	1.3	<0.54	5.1	0.54	
107-13-1	Acrylonitrile	<0.66	3.2	0.66	<0.30	1.5	0.30	
75-35-4	1,1-Dichloroethene	<0.44	3.2	0.44	<0.11	0.82	0.11	
75-09-2	Methylene Chloride	**1.0**	3.2	0.90	**0.29**	0.92	0.26	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.43	3.2	0.43	<0.14	1.0	0.14	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.85**	3.2	0.46	**0.11**	0.42	0.060	**J**
75-15-0	Carbon Disulfide	**2.3**	6.6	0.96	**0.73**	2.1	0.31	**J**
156-60-5	trans-1,2-Dichloroethene	<0.44	3.2	0.44	<0.11	0.82	0.11	
75-34-3	1,1-Dichloroethane	<0.47	3.3	0.47	<0.12	0.82	0.12	
1634-04-4	Methyl tert-Butyl Ether	<0.38	3.2	0.38	<0.10	0.90	0.10	
108-05-4	Vinyl Acetate	<7.2	32	7.2	<2.0	9.2	2.0	
78-93-3	2-Butanone (MEK)	**1.8**	6.6	0.66	**0.61**	2.2	0.22	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.1** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-001

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00027

Initial Pressure (psig): -1.24 Final Pressure (psig): 6.49
Initial Pressure 2 (psig): 1.61 Final Pressure 2 (psig): 10.15
Canister Dilution Factor: 2.40

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.45	3.2	0.45	<0.11	0.80	0.11	
141-78-6	Ethyl Acetate	<1.7	6.6	1.7	<0.47	1.8	0.47	
110-54-3	n-Hexane	<0.66	3.2	0.66	<0.19	0.92	0.19	
67-66-3	Chloroform	**0.94**	3.2	0.43	**0.19**	0.66	0.087	**J**
109-99-9	Tetrahydrofuran (THF)	<0.40	3.3	0.40	<0.14	1.1	0.14	
107-06-2	1,2-Dichloroethane	<0.35	3.2	0.35	<0.087	0.80	0.087	
71-55-6	1,1,1-Trichloroethane	<0.40	3.2	0.40	<0.073	0.59	0.073	
71-43-2	Benzene	<0.46	3.2	0.46	<0.14	1.0	0.14	
56-23-5	Carbon Tetrachloride	<0.44	3.2	0.44	<0.071	0.51	0.071	
110-82-7	Cyclohexane	<0.90	6.6	0.90	<0.26	1.9	0.26	
78-87-5	1,2-Dichloropropane	<0.40	3.2	0.40	<0.086	0.70	0.086	
75-27-4	Bromodichloromethane	<0.46	3.2	0.46	<0.069	0.48	0.069	
79-01-6	Trichloroethene	<0.43	3.2	0.43	<0.080	0.60	0.080	
123-91-1	1,4-Dioxane	<0.38	3.2	0.38	<0.10	0.90	0.10	
80-62-6	Methyl Methacrylate	<1.1	6.6	1.1	<0.28	1.6	0.28	
142-82-5	n-Heptane	<0.51	3.2	0.51	<0.12	0.79	0.12	
10061-01-5	cis-1,3-Dichloropropene	<0.50	3.1	0.50	<0.11	0.69	0.11	
108-10-1	4-Methyl-2-pentanone	<0.44	3.2	0.44	<0.11	0.78	0.11	
10061-02-6	trans-1,3-Dichloropropene	<0.66	3.2	0.66	<0.15	0.70	0.15	
79-00-5	1,1,2-Trichloroethane	<0.32	3.2	0.32	<0.059	0.59	0.059	
108-88-3	Toluene	**4.4**	3.2	0.39	**1.2**	0.86	0.10	
591-78-6	2-Hexanone	<0.40	3.2	0.40	<0.097	0.79	0.097	
124-48-1	Dibromochloromethane	<0.42	3.2	0.42	<0.049	0.38	0.049	
106-93-4	1,2-Dibromoethane	<0.37	3.2	0.37	<0.048	0.42	0.048	
123-86-4	n-Butyl Acetate	**0.50**	3.3	0.44	**0.11**	0.69	0.092	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.1** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-001

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00027

Initial Pressure (psig): -1.24 Final Pressure (psig): 6.49
Initial Pressure 2 (psig): 1.61 Final Pressure 2 (psig): 10.15
Canister Dilution Factor: 2.40

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.72	3.2	0.72	<0.15	0.69	0.15	
127-18-4	Tetrachloroethene	<0.41	3.1	0.41	<0.061	0.46	0.061	
108-90-7	Chlorobenzene	<0.43	3.2	0.43	<0.093	0.70	0.093	
100-41-4	Ethylbenzene	**0.60**	3.2	0.45	**0.14**	0.75	0.10	**J**
179601-23-1	m,p-Xylenes	**2.1**	6.6	0.84	**0.48**	1.5	0.19	**J**
75-25-2	Bromoform	<0.66	3.2	0.66	<0.064	0.31	0.064	
100-42-5	Styrene	<0.52	3.2	0.52	<0.12	0.75	0.12	
95-47-6	o-Xylene	**0.64**	3.2	0.46	**0.15**	0.75	0.11	**J**
111-84-2	n-Nonane	**1.4**	3.2	0.53	**0.26**	0.62	0.10	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.44	3.2	0.44	<0.065	0.47	0.065	
98-82-8	Cumene	<0.46	3.2	0.46	<0.094	0.66	0.094	
80-56-8	alpha-Pinene	<0.49	3.2	0.49	<0.088	0.58	0.088	
103-65-1	n-Propylbenzene	<0.46	3.2	0.46	<0.094	0.66	0.094	
622-96-8	4-Ethyltoluene	<0.51	3.2	0.51	<0.10	0.66	0.10	
108-67-8	1,3,5-Trimethylbenzene	<0.46	3.2	0.46	<0.094	0.65	0.094	
95-63-6	1,2,4-Trimethylbenzene	**0.89**	3.2	0.44	**0.18**	0.66	0.090	**J**
100-44-7	Benzyl Chloride	<0.72	6.6	0.72	<0.14	1.3	0.14	
541-73-1	1,3-Dichlorobenzene	<0.48	3.2	0.48	<0.080	0.54	0.080	
106-46-7	1,4-Dichlorobenzene	<0.49	3.2	0.49	<0.082	0.54	0.082	
95-50-1	1,2-Dichlorobenzene	<0.47	3.2	0.47	<0.079	0.54	0.079	
5989-27-5	d-Limonene	<0.66	3.2	0.66	<0.12	0.58	0.12	
96-12-8	1,2-Dibromo-3-chloropropane	<0.60	3.2	0.60	<0.062	0.33	0.062	
120-82-1	1,2,4-Trichlorobenzene	<0.78	3.2	0.78	<0.11	0.44	0.11	
91-20-3	Naphthalene	**1.5**	3.1	0.78	**0.28**	0.60	0.15	**J, V**
87-68-3	Hexachlorobutadiene	<0.66	3.2	0.66	<0.062	0.30	0.062	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.16** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-002

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00045

Initial Pressure (psig): -2.51 Final Pressure (psig): 5.68
Initial Pressure 2 (psig): 3.69 Final Pressure 2 (psig): 10.35
Canister Dilution Factor: 2.28

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**0.79**	3.0	0.74	**0.46**	1.8	0.43	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	3.0	0.50	**0.49**	0.61	0.10	**J**
74-87-3	Chloromethane	<0.49	3.0	0.49	<0.24	1.5	0.24	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.48	3.0	0.48	<0.069	0.43	0.069	
75-01-4	Vinyl Chloride	<0.32	3.1	0.32	<0.13	1.2	0.13	
106-99-0	1,3-Butadiene	<0.50	3.0	0.50	<0.23	1.4	0.23	
74-83-9	Bromomethane	<0.42	3.1	0.42	<0.11	0.79	0.11	
75-00-3	Chloroethane	<0.38	3.1	0.38	<0.14	1.2	0.14	
64-17-5	Ethanol	**23**	30	2.1	**12**	16	1.1	**J**
75-05-8	Acetonitrile	<0.74	3.0	0.74	<0.44	1.8	0.44	
107-02-8	Acrolein	**1.6**	5.7	0.86	**0.68**	2.5	0.37	**J**
67-64-1	Acetone	**15**	30	6.8	**6.2**	13	2.9	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**23**	3.0	0.46	**4.0**	0.54	0.082	
67-63-0	2-Propanol (Isopropyl Alcohol)	**2.3**	12	1.3	**0.92**	4.9	0.51	**J**
107-13-1	Acrylonitrile	<0.63	3.0	0.63	<0.29	1.4	0.29	
75-35-4	1,1-Dichloroethene	<0.42	3.1	0.42	<0.11	0.78	0.11	
75-09-2	Methylene Chloride	**1.3**	3.0	0.86	**0.37**	0.87	0.25	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.41	3.1	0.41	<0.13	0.98	0.13	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.87**	3.1	0.43	**0.11**	0.40	0.057	**J**
75-15-0	Carbon Disulfide	**2.6**	6.3	0.91	**0.82**	2.0	0.29	**J**
156-60-5	trans-1,2-Dichloroethene	<0.42	3.1	0.42	<0.11	0.78	0.11	
75-34-3	1,1-Dichloroethane	<0.44	3.1	0.44	<0.11	0.77	0.11	
1634-04-4	Methyl tert-Butyl Ether	<0.36	3.1	0.36	<0.10	0.85	0.10	
108-05-4	Vinyl Acetate	<6.8	31	6.8	<1.9	8.7	1.9	
78-93-3	2-Butanone (MEK)	**2.7**	6.3	0.63	**0.92**	2.1	0.21	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.16** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-002

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00045

Initial Pressure (psig): -2.51 Final Pressure (psig): 5.68
Initial Pressure 2 (psig): 3.69 Final Pressure 2 (psig): 10.35
Canister Dilution Factor: 2.28

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.43	3.0	0.43	<0.11	0.76	0.11	
141-78-6	Ethyl Acetate	<1.6	6.3	1.6	<0.44	1.7	0.44	
110-54-3	n-Hexane	<0.63	3.1	0.63	<0.18	0.87	0.18	
67-66-3	Chloroform	**14**	3.1	0.40	**2.8**	0.63	0.083	
109-99-9	Tetrahydrofuran (THF)	<0.38	3.1	0.38	<0.13	1.1	0.13	
107-06-2	1,2-Dichloroethane	<0.34	3.1	0.34	<0.083	0.76	0.083	
71-55-6	1,1,1-Trichloroethane	<0.38	3.1	0.38	<0.069	0.56	0.069	
71-43-2	Benzene	**0.58**	3.0	0.44	**0.18**	0.95	0.14	**J**
56-23-5	Carbon Tetrachloride	<0.42	3.0	0.42	<0.067	0.48	0.067	
110-82-7	Cyclohexane	<0.86	6.3	0.86	<0.25	1.8	0.25	
78-87-5	1,2-Dichloropropane	<0.38	3.1	0.38	<0.081	0.67	0.081	
75-27-4	Bromodichloromethane	<0.44	3.1	0.44	<0.066	0.46	0.066	
79-01-6	Trichloroethene	<0.41	3.1	0.41	<0.076	0.57	0.076	
123-91-1	1,4-Dioxane	<0.36	3.1	0.36	<0.10	0.85	0.10	
80-62-6	Methyl Methacrylate	<1.1	6.3	1.1	<0.26	1.5	0.26	
142-82-5	n-Heptane	**6.8**	3.1	0.48	**1.7**	0.75	0.12	
10061-01-5	cis-1,3-Dichloropropene	<0.47	3.0	0.47	<0.10	0.65	0.10	
108-10-1	4-Methyl-2-pentanone	<0.42	3.0	0.42	<0.10	0.74	0.10	
10061-02-6	trans-1,3-Dichloropropene	<0.63	3.0	0.63	<0.14	0.67	0.14	
79-00-5	1,1,2-Trichloroethane	<0.31	3.1	0.31	<0.056	0.56	0.056	
108-88-3	Toluene	**9.4**	3.1	0.37	**2.5**	0.82	0.098	
591-78-6	2-Hexanone	**0.70**	3.1	0.38	**0.17**	0.75	0.092	**J**
124-48-1	Dibromochloromethane	<0.40	3.1	0.40	<0.047	0.36	0.047	
106-93-4	1,2-Dibromoethane	<0.35	3.1	0.35	<0.046	0.40	0.046	
123-86-4	n-Butyl Acetate	<0.42	3.1	0.42	<0.088	0.66	0.088	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.16** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-002

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00045

Initial Pressure (psig): -2.51 Final Pressure (psig): 5.68
Initial Pressure 2 (psig): 3.69 Final Pressure 2 (psig): 10.35
Canister Dilution Factor: 2.28

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.68	3.1	0.68	<0.15	0.66	0.15	
127-18-4	Tetrachloroethene	<0.39	3.0	0.39	<0.058	0.44	0.058	
108-90-7	Chlorobenzene	<0.40	3.1	0.40	<0.088	0.67	0.088	
100-41-4	Ethylbenzene	**1.3**	3.1	0.43	**0.30**	0.71	0.098	**J**
179601-23-1	m,p-Xylenes	**3.4**	6.3	0.80	**0.79**	1.4	0.18	**J**
75-25-2	Bromoform	<0.63	3.1	0.63	<0.061	0.30	0.061	
100-42-5	Styrene	<0.49	3.0	0.49	<0.12	0.71	0.12	
95-47-6	o-Xylene	**1.3**	3.1	0.44	**0.29**	0.71	0.10	**J**
111-84-2	n-Nonane	**1.4**	3.1	0.51	**0.28**	0.59	0.097	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.42	3.1	0.42	<0.061	0.45	0.061	
98-82-8	Cumene	<0.44	3.1	0.44	<0.089	0.63	0.089	
80-56-8	alpha-Pinene	<0.47	3.1	0.47	<0.084	0.55	0.084	
103-65-1	n-Propylbenzene	<0.44	3.1	0.44	<0.089	0.63	0.089	
622-96-8	4-Ethyltoluene	<0.48	3.1	0.48	<0.099	0.63	0.099	
108-67-8	1,3,5-Trimethylbenzene	<0.44	3.0	0.44	<0.089	0.61	0.089	
95-63-6	1,2,4-Trimethylbenzene	**1.3**	3.1	0.42	**0.27**	0.63	0.086	**J**
100-44-7	Benzyl Chloride	<0.68	6.3	0.68	<0.13	1.2	0.13	
541-73-1	1,3-Dichlorobenzene	<0.46	3.1	0.46	<0.076	0.51	0.076	
106-46-7	1,4-Dichlorobenzene	<0.47	3.1	0.47	<0.078	0.51	0.078	
95-50-1	1,2-Dichlorobenzene	<0.45	3.1	0.45	<0.075	0.51	0.075	
5989-27-5	d-Limonene	**1.0**	3.1	0.63	**0.19**	0.55	0.11	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.57	3.0	0.57	<0.059	0.31	0.059	
120-82-1	1,2,4-Trichlorobenzene	<0.74	3.1	0.74	<0.10	0.41	0.10	
91-20-3	Naphthalene	**1.3**	3.0	0.74	**0.24**	0.57	0.14	**J, V**
87-68-3	Hexachlorobutadiene	<0.63	3.0	0.63	<0.059	0.28	0.059	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.27** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-003

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00144

Initial Pressure (psig): 0.01 Final Pressure (psig): 5.91

Canister Dilution Factor: 1.40

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**6.6**	1.9	0.46	**3.9**	1.1	0.26	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.4**	1.9	0.30	**0.48**	0.38	0.062	
74-87-3	Chloromethane	**1.1**	1.9	0.30	**0.54**	0.90	0.15	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.29	1.9	0.29	<0.042	0.27	0.042	
75-01-4	Vinyl Chloride	<0.20	1.9	0.20	<0.078	0.74	0.078	
106-99-0	1,3-Butadiene	<0.31	1.9	0.31	<0.14	0.84	0.14	
74-83-9	Bromomethane	**0.64**	1.9	0.26	**0.17**	0.49	0.067	**J**
75-00-3	Chloroethane	**2.0**	1.9	0.23	**0.75**	0.72	0.088	
64-17-5	Ethanol	**180**	18	1.3	**94**	9.7	0.69	
75-05-8	Acetonitrile	**1.3**	1.9	0.46	**0.76**	1.1	0.27	**J**
107-02-8	Acrolein	**4.5**	3.5	0.53	**2.0**	1.5	0.23	
67-64-1	Acetone	**64**	19	4.2	**27**	7.8	1.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**5.1**	1.9	0.28	**0.91**	0.33	0.050	
67-63-0	2-Propanol (Isopropyl Alcohol)	**21**	7.4	0.77	**8.7**	3.0	0.31	
107-13-1	Acrylonitrile	**0.85**	1.9	0.39	**0.39**	0.86	0.18	**J**
75-35-4	1,1-Dichloroethene	<0.26	1.9	0.26	<0.065	0.48	0.065	
75-09-2	Methylene Chloride	**3.3**	1.9	0.53	**0.96**	0.53	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.25	1.9	0.25	<0.081	0.60	0.081	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.53**	1.9	0.27	**0.069**	0.25	0.035	**J**
75-15-0	Carbon Disulfide	**3.4**	3.9	0.56	**1.1**	1.2	0.18	**J**
156-60-5	trans-1,2-Dichloroethene	<0.26	1.9	0.26	<0.065	0.48	0.065	
75-34-3	1,1-Dichloroethane	<0.27	1.9	0.27	<0.067	0.48	0.067	
1634-04-4	Methyl tert-Butyl Ether	<0.22	1.9	0.22	<0.061	0.52	0.061	
108-05-4	Vinyl Acetate	<4.2	19	4.2	<1.2	5.4	1.2	
78-93-3	2-Butanone (MEK)	**16**	3.9	0.39	**5.4**	1.3	0.13	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.27** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-003

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00144

Initial Pressure (psig): 0.01 Final Pressure (psig): 5.91

Canister Dilution Factor: 1.40

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.26	1.9	0.26	<0.066	0.47	0.066	
141-78-6	Ethyl Acetate	**21**	3.9	0.98	**5.9**	1.1	0.27	
110-54-3	n-Hexane	**18**	1.9	0.39	**5.2**	0.54	0.11	
67-66-3	Chloroform	**1.0**	1.9	0.25	**0.21**	0.39	0.051	**J**
109-99-9	Tetrahydrofuran (THF)	**0.54**	1.9	0.23	**0.18**	0.65	0.080	**J**
107-06-2	1,2-Dichloroethane	**0.41**	1.9	0.21	**0.10**	0.47	0.051	**J**
71-55-6	1,1,1-Trichloroethane	<0.23	1.9	0.23	<0.042	0.35	0.042	
71-43-2	Benzene	**1.9**	1.9	0.27	**0.61**	0.58	0.084	
56-23-5	Carbon Tetrachloride	**0.30**	1.9	0.26	**0.048**	0.30	0.041	**J**
110-82-7	Cyclohexane	**11**	3.9	0.53	**3.2**	1.1	0.15	
78-87-5	1,2-Dichloropropane	<0.23	1.9	0.23	<0.050	0.41	0.050	
75-27-4	Bromodichloromethane	<0.27	1.9	0.27	<0.040	0.28	0.040	
79-01-6	Trichloroethene	**1.2**	1.9	0.25	**0.21**	0.35	0.047	**J**
123-91-1	1,4-Dioxane	<0.22	1.9	0.22	<0.061	0.52	0.061	
80-62-6	Methyl Methacrylate	<0.67	3.9	0.67	<0.16	0.94	0.16	
142-82-5	n-Heptane	**130**	1.9	0.30	**31**	0.46	0.073	
10061-01-5	cis-1,3-Dichloropropene	<0.29	1.8	0.29	<0.064	0.40	0.064	
108-10-1	4-Methyl-2-pentanone	**5.5**	1.9	0.26	**1.3**	0.45	0.062	
10061-02-6	trans-1,3-Dichloropropene	<0.39	1.9	0.39	<0.085	0.41	0.085	
79-00-5	1,1,2-Trichloroethane	<0.19	1.9	0.19	<0.035	0.35	0.035	
108-88-3	Toluene	**50**	1.9	0.23	**13**	0.50	0.060	
591-78-6	2-Hexanone	<0.23	1.9	0.23	<0.056	0.46	0.056	
124-48-1	Dibromochloromethane	<0.25	1.9	0.25	<0.029	0.22	0.029	
106-93-4	1,2-Dibromoethane	<0.22	1.9	0.22	<0.028	0.25	0.028	
123-86-4	n-Butyl Acetate	**30**	1.9	0.26	**6.3**	0.41	0.054	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.27** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-003

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00144

Initial Pressure (psig): 0.01 Final Pressure (psig): 5.91

Canister Dilution Factor: 1.40

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**6.6**	1.9	0.42	**1.4**	0.40	0.090	
127-18-4	Tetrachloroethene	**2.3**	1.8	0.24	**0.34**	0.27	0.036	
108-90-7	Chlorobenzene	<0.25	1.9	0.25	<0.054	0.41	0.054	
100-41-4	Ethylbenzene	**2.0**	1.9	0.26	**0.46**	0.44	0.060	
179601-23-1	m,p-Xylenes	**6.3**	3.9	0.49	**1.4**	0.89	0.11	
75-25-2	Bromoform	<0.39	1.9	0.39	<0.037	0.18	0.037	
100-42-5	Styrene	**1.5**	1.9	0.30	**0.35**	0.44	0.071	**J**
95-47-6	o-Xylene	**2.5**	1.9	0.27	**0.57**	0.44	0.062	
111-84-2	n-Nonane	**5.0**	1.9	0.31	**0.96**	0.36	0.059	
79-34-5	1,1,2,2-Tetrachloroethane	<0.26	1.9	0.26	<0.038	0.28	0.038	
98-82-8	Cumene	<0.27	1.9	0.27	<0.055	0.38	0.055	
80-56-8	alpha-Pinene	**38**	1.9	0.29	**6.8**	0.34	0.052	
103-65-1	n-Propylbenzene	**0.56**	1.9	0.27	**0.11**	0.38	0.055	**J**
622-96-8	4-Ethyltoluene	**0.64**	1.9	0.30	**0.13**	0.38	0.061	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.65**	1.9	0.27	**0.13**	0.38	0.055	**J**
95-63-6	1,2,4-Trimethylbenzene	**2.3**	1.9	0.26	**0.46**	0.38	0.053	
100-44-7	Benzyl Chloride	<0.42	3.9	0.42	<0.081	0.74	0.081	
541-73-1	1,3-Dichlorobenzene	<0.28	1.9	0.28	<0.047	0.31	0.047	
106-46-7	1,4-Dichlorobenzene	<0.29	1.9	0.29	<0.048	0.31	0.048	
95-50-1	1,2-Dichlorobenzene	<0.28	1.9	0.28	<0.046	0.31	0.046	
5989-27-5	d-Limonene	**4.7**	1.9	0.39	**0.85**	0.34	0.069	
96-12-8	1,2-Dibromo-3-chloropropane	<0.35	1.9	0.35	<0.036	0.19	0.036	
120-82-1	1,2,4-Trichlorobenzene	<0.46	1.9	0.46	<0.061	0.25	0.061	
91-20-3	Naphthalene	**0.90**	1.8	0.46	**0.17**	0.35	0.087	**J, V**
87-68-3	Hexachlorobutadiene	<0.39	1.9	0.39	<0.036	0.17	0.036	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased high) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.24** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-004

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00895

Initial Pressure (psig): 0.01 Final Pressure (psig): 5.72

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**5.5**	1.8	0.45	**3.2**	1.1	0.26	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	1.8	0.30	**0.47**	0.37	0.061	
74-87-3	Chloromethane	**0.61**	1.8	0.30	**0.29**	0.89	0.14	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.29	1.8	0.29	<0.042	0.26	0.042	
75-01-4	Vinyl Chloride	<0.20	1.9	0.20	<0.078	0.73	0.078	
106-99-0	1,3-Butadiene	<0.31	1.8	0.31	<0.14	0.83	0.14	
74-83-9	Bromomethane	<0.26	1.9	0.26	<0.066	0.48	0.066	
75-00-3	Chloroethane	**0.79**	1.9	0.23	**0.30**	0.71	0.087	**J**
64-17-5	Ethanol	**140**	18	1.3	**75**	9.6	0.68	
75-05-8	Acetonitrile	**0.96**	1.8	0.45	**0.57**	1.1	0.27	**J**
107-02-8	Acrolein	**7.3**	3.5	0.52	**3.2**	1.5	0.23	
67-64-1	Acetone	**64**	18	4.2	**27**	7.8	1.8	
75-69-4	Trichlorofluoromethane (CFC 11)	**4.9**	1.8	0.28	**0.87**	0.33	0.050	
67-63-0	2-Propanol (Isopropyl Alcohol)	**16**	7.3	0.76	**6.6**	3.0	0.31	
107-13-1	Acrylonitrile	**0.40**	1.8	0.38	**0.18**	0.85	0.18	**J**
75-35-4	1,1-Dichloroethene	<0.26	1.9	0.26	<0.065	0.47	0.065	
75-09-2	Methylene Chloride	**1.4**	1.8	0.52	**0.40**	0.53	0.15	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.25	1.9	0.25	<0.080	0.60	0.080	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.56**	1.9	0.26	**0.073**	0.24	0.034	**J**
75-15-0	Carbon Disulfide	**4.4**	3.8	0.56	**1.4**	1.2	0.18	
156-60-5	trans-1,2-Dichloroethene	<0.26	1.9	0.26	<0.065	0.47	0.065	
75-34-3	1,1-Dichloroethane	<0.27	1.9	0.27	<0.067	0.47	0.067	
1634-04-4	Methyl tert-Butyl Ether	<0.22	1.9	0.22	<0.061	0.52	0.061	
108-05-4	Vinyl Acetate	**16**	19	4.2	**4.5**	5.3	1.2	**J**
78-93-3	2-Butanone (MEK)	**9.7**	3.8	0.38	**3.3**	1.3	0.13	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.24** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-004

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00895

Initial Pressure (psig): 0.01 Final Pressure (psig): 5.72

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.26	1.8	0.26	<0.066	0.46	0.066	
141-78-6	Ethyl Acetate	**6.8**	3.8	0.97	**1.9**	1.1	0.27	
110-54-3	n-Hexane	**11**	1.9	0.38	**3.1**	0.53	0.11	
67-66-3	Chloroform	**0.69**	1.9	0.25	**0.14**	0.38	0.051	**J**
109-99-9	Tetrahydrofuran (THF)	**0.41**	1.9	0.23	**0.14**	0.65	0.079	**J**
107-06-2	1,2-Dichloroethane	<0.21	1.9	0.21	<0.051	0.46	0.051	
71-55-6	1,1,1-Trichloroethane	<0.23	1.9	0.23	<0.042	0.34	0.042	
71-43-2	Benzene	**1.5**	1.8	0.27	**0.47**	0.58	0.084	**J**
56-23-5	Carbon Tetrachloride	**0.29**	1.8	0.26	**0.046**	0.29	0.041	**J**
110-82-7	Cyclohexane	**3.5**	3.8	0.52	**1.0**	1.1	0.15	**J**
78-87-5	1,2-Dichloropropane	<0.23	1.9	0.23	<0.050	0.41	0.050	
75-27-4	Bromodichloromethane	<0.27	1.9	0.27	<0.040	0.28	0.040	
79-01-6	Trichloroethene	**1.1**	1.9	0.25	**0.21**	0.35	0.047	**J**
123-91-1	1,4-Dioxane	<0.22	1.9	0.22	<0.061	0.52	0.061	
80-62-6	Methyl Methacrylate	<0.66	3.8	0.66	<0.16	0.93	0.16	
142-82-5	n-Heptane	**17**	1.9	0.30	**4.2**	0.46	0.072	
10061-01-5	cis-1,3-Dichloropropene	<0.29	1.8	0.29	<0.064	0.40	0.064	
108-10-1	4-Methyl-2-pentanone	**0.79**	1.8	0.25	**0.19**	0.45	0.062	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.38	1.8	0.38	<0.084	0.41	0.084	
79-00-5	1,1,2-Trichloroethane	<0.19	1.9	0.19	<0.034	0.34	0.034	
108-88-3	Toluene	**32**	1.9	0.23	**8.5**	0.50	0.060	
591-78-6	2-Hexanone	<0.23	1.9	0.23	<0.056	0.46	0.056	
124-48-1	Dibromochloromethane	<0.24	1.9	0.24	<0.029	0.22	0.029	
106-93-4	1,2-Dibromoethane	<0.22	1.9	0.22	<0.028	0.24	0.028	
123-86-4	n-Butyl Acetate	**24**	1.9	0.25	**5.1**	0.40	0.053	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.24** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-004

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00895

Initial Pressure (psig): 0.01 Final Pressure (psig): 5.72

Canister Dilution Factor: 1.39

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**2.8**	1.9	0.42	**0.59**	0.40	0.089	
127-18-4	Tetrachloroethene	**2.0**	1.8	0.24	**0.30**	0.27	0.035	
108-90-7	Chlorobenzene	<0.25	1.9	0.25	<0.054	0.41	0.054	
100-41-4	Ethylbenzene	**1.2**	1.9	0.26	**0.28**	0.43	0.060	**J**
179601-23-1	m,p-Xylenes	**4.0**	3.8	0.49	**0.93**	0.88	0.11	
75-25-2	Bromoform	<0.38	1.9	0.38	<0.037	0.18	0.037	
100-42-5	Styrene	**0.82**	1.8	0.30	**0.19**	0.43	0.070	**J**
95-47-6	o-Xylene	**1.5**	1.9	0.27	**0.35**	0.43	0.062	**J**
111-84-2	n-Nonane	**3.9**	1.9	0.31	**0.75**	0.36	0.059	
79-34-5	1,1,2,2-Tetrachloroethane	<0.26	1.9	0.26	<0.037	0.27	0.037	
98-82-8	Cumene	<0.27	1.9	0.27	<0.054	0.38	0.054	
80-56-8	alpha-Pinene	**17**	1.9	0.28	**3.1**	0.34	0.051	
103-65-1	n-Propylbenzene	**0.39**	1.9	0.27	**0.080**	0.38	0.054	**J**
622-96-8	4-Ethyltoluene	**0.39**	1.9	0.30	**0.079**	0.38	0.060	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.40**	1.8	0.27	**0.081**	0.37	0.054	**J**
95-63-6	1,2,4-Trimethylbenzene	**1.2**	1.9	0.26	**0.25**	0.38	0.052	**J**
100-44-7	Benzyl Chloride	<0.42	3.8	0.42	<0.081	0.74	0.081	
541-73-1	1,3-Dichlorobenzene	<0.28	1.9	0.28	<0.046	0.31	0.046	
106-46-7	1,4-Dichlorobenzene	<0.28	1.9	0.28	<0.047	0.31	0.047	
95-50-1	1,2-Dichlorobenzene	<0.27	1.9	0.27	<0.046	0.31	0.046	
5989-27-5	d-Limonene	**3.2**	1.9	0.38	**0.58**	0.34	0.069	
96-12-8	1,2-Dibromo-3-chloropropane	<0.35	1.8	0.35	<0.036	0.19	0.036	
120-82-1	1,2,4-Trichlorobenzene	<0.45	1.9	0.45	<0.061	0.25	0.061	
91-20-3	Naphthalene	<0.45	1.8	0.45	<0.086	0.34	0.086	
87-68-3	Hexachlorobutadiene	<0.38	1.8	0.38	<0.036	0.17	0.036	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.21** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-005

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00375

Initial Pressure (psig): -2.45 Final Pressure (psig): 5.68

Canister Dilution Factor: 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**5.2**	2.2	0.54	**3.0**	1.3	0.31	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	2.2	0.36	**0.46**	0.44	0.073	
74-87-3	Chloromethane	**0.85**	2.2	0.36	**0.41**	1.1	0.17	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.35	2.2	0.35	<0.050	0.31	0.050	
75-01-4	Vinyl Chloride	<0.24	2.2	0.24	<0.093	0.88	0.093	
106-99-0	1,3-Butadiene	<0.37	2.2	0.37	<0.17	0.99	0.17	
74-83-9	Bromomethane	<0.31	2.2	0.31	<0.079	0.58	0.079	
75-00-3	Chloroethane	**0.43**	2.2	0.27	**0.16**	0.85	0.10	**J**
64-17-5	Ethanol	**520**	22	1.5	**280**	11	0.82	**V**
75-05-8	Acetonitrile	**1.8**	2.2	0.54	**1.1**	1.3	0.32	**J**
107-02-8	Acrolein	**3.0**	4.2	0.62	**1.3**	1.8	0.27	**J**
67-64-1	Acetone	**67**	22	5.0	**28**	9.3	2.1	
75-69-4	Trichlorofluoromethane (CFC 11)	**6.9**	2.2	0.34	**1.2**	0.39	0.060	
67-63-0	2-Propanol (Isopropyl Alcohol)	**22**	8.7	0.91	**9.1**	3.5	0.37	
107-13-1	Acrylonitrile	<0.46	2.2	0.46	<0.21	1.0	0.21	
75-35-4	1,1-Dichloroethene	<0.31	2.2	0.31	<0.077	0.57	0.077	
75-09-2	Methylene Chloride	**2.9**	2.2	0.62	**0.83**	0.63	0.18	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.30	2.2	0.30	<0.096	0.72	0.096	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.61**	2.2	0.32	**0.080**	0.29	0.041	**J**
75-15-0	Carbon Disulfide	**0.68**	4.6	0.66	**0.22**	1.5	0.21	**J**
156-60-5	trans-1,2-Dichloroethene	<0.31	2.2	0.31	<0.077	0.57	0.077	
75-34-3	1,1-Dichloroethane	<0.32	2.3	0.32	<0.080	0.56	0.080	
1634-04-4	Methyl tert-Butyl Ether	**0.52**	2.2	0.26	**0.15**	0.62	0.073	**J**
108-05-4	Vinyl Acetate	**7.7**	22	5.0	**2.2**	6.4	1.4	**J**
78-93-3	2-Butanone (MEK)	**15**	4.6	0.46	**5.2**	1.5	0.15	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.21** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-005

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00375

Initial Pressure (psig): -2.45 Final Pressure (psig): 5.68

Canister Dilution Factor: 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.31	2.2	0.31	<0.079	0.55	0.079	
141-78-6	Ethyl Acetate	**7.4**	4.6	1.2	**2.1**	1.3	0.32	
110-54-3	n-Hexane	**1.2**	2.2	0.46	**0.34**	0.64	0.13	**J**
67-66-3	Chloroform	**1.2**	2.2	0.29	**0.24**	0.46	0.060	**J**
109-99-9	Tetrahydrofuran (THF)	<0.28	2.3	0.28	<0.094	0.77	0.094	
107-06-2	1,2-Dichloroethane	<0.24	2.2	0.24	<0.061	0.55	0.061	
71-55-6	1,1,1-Trichloroethane	<0.27	2.2	0.27	<0.050	0.41	0.050	
71-43-2	Benzene	**2.1**	2.2	0.32	**0.65**	0.69	0.10	**J**
56-23-5	Carbon Tetrachloride	<0.31	2.2	0.31	<0.049	0.35	0.049	
110-82-7	Cyclohexane	<0.62	4.6	0.62	<0.18	1.3	0.18	
78-87-5	1,2-Dichloropropane	<0.27	2.2	0.27	<0.059	0.49	0.059	
75-27-4	Bromodichloromethane	<0.32	2.2	0.32	<0.048	0.33	0.048	
79-01-6	Trichloroethene	<0.30	2.2	0.30	<0.056	0.42	0.056	
123-91-1	1,4-Dioxane	<0.26	2.2	0.26	<0.073	0.62	0.073	
80-62-6	Methyl Methacrylate	<0.79	4.6	0.79	<0.19	1.1	0.19	
142-82-5	n-Heptane	**1.7**	2.2	0.35	**0.41**	0.55	0.086	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.34	2.2	0.34	<0.076	0.48	0.076	
108-10-1	4-Methyl-2-pentanone	**1.1**	2.2	0.30	**0.27**	0.54	0.074	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.46	2.2	0.46	<0.10	0.48	0.10	
79-00-5	1,1,2-Trichloroethane	<0.22	2.2	0.22	<0.041	0.41	0.041	
108-88-3	Toluene	**8.0**	2.2	0.27	**2.1**	0.59	0.072	
591-78-6	2-Hexanone	**2.7**	2.2	0.27	**0.66**	0.55	0.067	
124-48-1	Dibromochloromethane	<0.29	2.2	0.29	<0.034	0.26	0.034	
106-93-4	1,2-Dibromoethane	<0.26	2.2	0.26	<0.033	0.29	0.033	
123-86-4	n-Butyl Acetate	**0.61**	2.3	0.30	**0.13**	0.48	0.064	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.21** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-005

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00375

Initial Pressure (psig): -2.45 Final Pressure (psig): 5.68

Canister Dilution Factor: 1.66

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**1.5**	2.2	0.50	**0.32**	0.48	0.11	**J**
127-18-4	Tetrachloroethene	<0.29	2.2	0.29	<0.042	0.32	0.042	
108-90-7	Chlorobenzene	<0.29	2.2	0.29	<0.064	0.49	0.064	
100-41-4	Ethylbenzene	**1.1**	2.2	0.31	**0.26**	0.52	0.072	**J**
179601-23-1	m,p-Xylenes	**4.3**	4.6	0.58	**0.98**	1.1	0.13	**J**
75-25-2	Bromoform	<0.46	2.2	0.46	<0.044	0.22	0.044	
100-42-5	Styrene	**0.40**	2.2	0.36	**0.095**	0.52	0.084	**J**
95-47-6	o-Xylene	**1.3**	2.2	0.32	**0.29**	0.52	0.074	**J**
111-84-2	n-Nonane	**5.3**	2.2	0.37	**1.0**	0.43	0.070	
79-34-5	1,1,2,2-Tetrachloroethane	<0.31	2.2	0.31	<0.045	0.33	0.045	
98-82-8	Cumene	<0.32	2.2	0.32	<0.065	0.46	0.065	
80-56-8	alpha-Pinene	<0.34	2.2	0.34	<0.061	0.40	0.061	
103-65-1	n-Propylbenzene	**0.48**	2.2	0.32	**0.098**	0.46	0.065	**J**
622-96-8	4-Ethyltoluene	**0.45**	2.2	0.35	**0.092**	0.46	0.072	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.42**	2.2	0.32	**0.086**	0.45	0.065	**J**
95-63-6	1,2,4-Trimethylbenzene	**1.4**	2.2	0.31	**0.28**	0.46	0.062	**J**
100-44-7	Benzyl Chloride	<0.50	4.6	0.50	<0.096	0.88	0.096	
541-73-1	1,3-Dichlorobenzene	<0.33	2.2	0.33	<0.055	0.37	0.055	
106-46-7	1,4-Dichlorobenzene	<0.34	2.2	0.34	<0.057	0.37	0.057	
95-50-1	1,2-Dichlorobenzene	<0.33	2.2	0.33	<0.055	0.37	0.055	
5989-27-5	d-Limonene	**1.2**	2.2	0.46	**0.21**	0.40	0.082	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.42	2.2	0.42	<0.043	0.23	0.043	
120-82-1	1,2,4-Trichlorobenzene	<0.54	2.2	0.54	<0.073	0.30	0.073	
91-20-3	Naphthalene	**0.75**	2.2	0.54	**0.14**	0.41	0.10	**J**
87-68-3	Hexachlorobutadiene	<0.46	2.2	0.46	<0.043	0.21	0.043	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.3** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-006

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01104

Initial Pressure (psig): -2.89 Final Pressure (psig): 5.87

Canister Dilution Factor: 1.74

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**0.85**	2.3	0.57	**0.50**	1.3	0.33	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.2**	2.3	0.38	**0.45**	0.47	0.077	**J**
74-87-3	Chloromethane	<0.37	2.3	0.37	<0.18	1.1	0.18	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.37	2.3	0.37	<0.052	0.33	0.052	
75-01-4	Vinyl Chloride	<0.25	2.3	0.25	<0.097	0.92	0.097	
106-99-0	1,3-Butadiene	<0.38	2.3	0.38	<0.17	1.0	0.17	
74-83-9	Bromomethane	<0.32	2.3	0.32	<0.083	0.61	0.083	
75-00-3	Chloroethane	<0.29	2.3	0.29	<0.11	0.89	0.11	
64-17-5	Ethanol	**52**	23	1.6	**27**	12	0.85	**V**
75-05-8	Acetonitrile	**1.8**	2.3	0.57	**1.1**	1.4	0.34	**J**
107-02-8	Acrolein	**1.8**	4.4	0.65	**0.79**	1.9	0.28	**J**
67-64-1	Acetone	**22**	23	5.2	**9.3**	9.7	2.2	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**5.1**	2.3	0.35	**0.91**	0.41	0.063	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.96	9.1	0.96	<0.39	3.7	0.39	
107-13-1	Acrylonitrile	**1.4**	2.3	0.48	**0.65**	1.1	0.22	**J**
75-35-4	1,1-Dichloroethene	<0.32	2.3	0.32	<0.081	0.59	0.081	
75-09-2	Methylene Chloride	<0.65	2.3	0.65	<0.19	0.66	0.19	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.31	2.3	0.31	<0.10	0.75	0.10	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.53**	2.3	0.33	**0.069**	0.31	0.043	**J**
75-15-0	Carbon Disulfide	**9.9**	4.8	0.70	**3.2**	1.5	0.22	
156-60-5	trans-1,2-Dichloroethene	<0.32	2.3	0.32	<0.081	0.59	0.081	
75-34-3	1,1-Dichloroethane	<0.34	2.4	0.34	<0.084	0.59	0.084	
1634-04-4	Methyl tert-Butyl Ether	<0.27	2.3	0.27	<0.076	0.65	0.076	
108-05-4	Vinyl Acetate	**5.3**	23	5.2	**1.5**	6.7	1.5	**J**
78-93-3	2-Butanone (MEK)	**3.5**	4.8	0.48	**1.2**	1.6	0.16	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.3** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-006

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01104

Initial Pressure (psig): -2.89 Final Pressure (psig): 5.87

Canister Dilution Factor: 1.74

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.33	2.3	0.33	<0.082	0.58	0.082	
141-78-6	Ethyl Acetate	<1.2	4.8	1.2	<0.34	1.3	0.34	
110-54-3	n-Hexane	<0.48	2.3	0.48	<0.14	0.67	0.14	
67-66-3	Chloroform	<0.31	2.3	0.31	<0.063	0.48	0.063	
109-99-9	Tetrahydrofuran (THF)	<0.29	2.4	0.29	<0.099	0.81	0.099	
107-06-2	1,2-Dichloroethane	<0.26	2.3	0.26	<0.063	0.58	0.063	
71-55-6	1,1,1-Trichloroethane	<0.29	2.3	0.29	<0.053	0.43	0.053	
71-43-2	Benzene	**0.58**	2.3	0.33	**0.18**	0.72	0.10	**J**
56-23-5	Carbon Tetrachloride	<0.32	2.3	0.32	<0.051	0.37	0.051	
110-82-7	Cyclohexane	<0.65	4.8	0.65	<0.19	1.4	0.19	
78-87-5	1,2-Dichloropropane	<0.29	2.3	0.29	<0.062	0.51	0.062	
75-27-4	Bromodichloromethane	<0.33	2.3	0.33	<0.050	0.35	0.050	
79-01-6	Trichloroethene	**50**	2.3	0.31	**9.4**	0.44	0.058	
123-91-1	1,4-Dioxane	**2.2**	2.3	0.27	**0.60**	0.65	0.076	**J**
80-62-6	Methyl Methacrylate	<0.83	4.8	0.83	<0.20	1.2	0.20	
142-82-5	n-Heptane	**0.37**	2.3	0.37	**0.091**	0.57	0.090	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.36	2.3	0.36	<0.080	0.50	0.080	
108-10-1	4-Methyl-2-pentanone	<0.32	2.3	0.32	<0.078	0.56	0.078	
10061-02-6	trans-1,3-Dichloropropene	<0.48	2.3	0.48	<0.11	0.51	0.11	
79-00-5	1,1,2-Trichloroethane	<0.23	2.3	0.23	<0.043	0.43	0.043	
108-88-3	Toluene	**2.4**	2.3	0.28	**0.63**	0.62	0.075	
591-78-6	2-Hexanone	**0.40**	2.3	0.29	**0.098**	0.57	0.070	**J**
124-48-1	Dibromochloromethane	<0.30	2.3	0.30	<0.036	0.28	0.036	
106-93-4	1,2-Dibromoethane	<0.27	2.3	0.27	<0.035	0.31	0.035	
123-86-4	n-Butyl Acetate	**0.38**	2.4	0.32	**0.081**	0.50	0.067	**J**

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.3** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-006

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC01104

Initial Pressure (psig): -2.89 Final Pressure (psig): 5.87

Canister Dilution Factor: 1.74

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**1.0**	2.3	0.52	**0.21**	0.50	0.11	**J**
127-18-4	Tetrachloroethene	**14**	2.3	0.30	**2.0**	0.33	0.044	
108-90-7	Chlorobenzene	<0.31	2.3	0.31	<0.067	0.51	0.067	
100-41-4	Ethylbenzene	**0.59**	2.3	0.33	**0.14**	0.54	0.075	**J**
179601-23-1	m,p-Xylenes	**2.1**	4.8	0.61	**0.48**	1.1	0.14	**J**
75-25-2	Bromoform	<0.48	2.3	0.48	<0.046	0.23	0.046	
100-42-5	Styrene	<0.37	2.3	0.37	<0.088	0.54	0.088	
95-47-6	o-Xylene	**0.83**	2.3	0.33	**0.19**	0.54	0.077	**J**
111-84-2	n-Nonane	**5.8**	2.3	0.39	**1.1**	0.45	0.074	
79-34-5	1,1,2,2-Tetrachloroethane	<0.32	2.3	0.32	<0.047	0.34	0.047	
98-82-8	Cumene	<0.33	2.3	0.33	<0.068	0.48	0.068	
80-56-8	alpha-Pinene	<0.36	2.3	0.36	<0.064	0.42	0.064	
103-65-1	n-Propylbenzene	**0.45**	2.3	0.33	**0.092**	0.48	0.068	**J**
622-96-8	4-Ethyltoluene	**0.44**	2.3	0.37	**0.089**	0.48	0.075	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.35**	2.3	0.33	**0.071**	0.47	0.068	**J**
95-63-6	1,2,4-Trimethylbenzene	**1.2**	2.3	0.32	**0.24**	0.48	0.066	**J**
100-44-7	Benzyl Chloride	<0.52	4.8	0.52	<0.10	0.92	0.10	
541-73-1	1,3-Dichlorobenzene	<0.35	2.3	0.35	<0.058	0.39	0.058	
106-46-7	1,4-Dichlorobenzene	<0.36	2.3	0.36	<0.059	0.39	0.059	
95-50-1	1,2-Dichlorobenzene	<0.34	2.3	0.34	<0.057	0.39	0.057	
5989-27-5	d-Limonene	<0.48	2.3	0.48	<0.086	0.42	0.086	
96-12-8	1,2-Dibromo-3-chloropropane	<0.44	2.3	0.44	<0.045	0.24	0.045	
120-82-1	1,2,4-Trichlorobenzene	<0.57	2.3	0.57	<0.076	0.32	0.076	
91-20-3	Naphthalene	**0.70**	2.3	0.57	**0.13**	0.43	0.11	**J**
87-68-3	Hexachlorobutadiene	<0.48	2.3	0.48	<0.045	0.22	0.045	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.12** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-007

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00847

Initial Pressure (psig): -1.78 Final Pressure (psig): 6.66

Canister Dilution Factor: 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**1.7**	2.2	0.54	**0.99**	1.3	0.31	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.2**	2.2	0.36	**0.44**	0.44	0.073	
74-87-3	Chloromethane	**0.44**	2.2	0.35	**0.21**	1.1	0.17	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.35	2.2	0.35	<0.050	0.31	0.050	
75-01-4	Vinyl Chloride	<0.24	2.2	0.24	<0.092	0.87	0.092	
106-99-0	1,3-Butadiene	<0.36	2.2	0.36	<0.16	0.99	0.16	
74-83-9	Bromomethane	<0.31	2.2	0.31	<0.079	0.57	0.079	
75-00-3	Chloroethane	<0.27	2.2	0.27	<0.10	0.84	0.10	
64-17-5	Ethanol	**130**	21	1.5	**69**	11	0.81	**V**
75-05-8	Acetonitrile	**1.4**	2.2	0.54	**0.84**	1.3	0.32	**J**
107-02-8	Acrolein	**8.3**	4.1	0.62	**3.6**	1.8	0.27	
67-64-1	Acetone	**54**	22	5.0	**23**	9.2	2.1	
75-69-4	Trichlorofluoromethane (CFC 11)	**2.7**	2.2	0.33	**0.49**	0.39	0.059	
67-63-0	2-Propanol (Isopropyl Alcohol)	**4.7**	8.7	0.91	**1.9**	3.5	0.37	**J**
107-13-1	Acrylonitrile	<0.45	2.2	0.45	<0.21	1.0	0.21	
75-35-4	1,1-Dichloroethene	<0.31	2.2	0.31	<0.077	0.56	0.077	
75-09-2	Methylene Chloride	**0.68**	2.2	0.62	**0.20**	0.63	0.18	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.30	2.2	0.30	<0.095	0.71	0.095	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.48**	2.2	0.31	**0.063**	0.29	0.041	**J**
75-15-0	Carbon Disulfide	**29**	4.5	0.66	**9.3**	1.5	0.21	
156-60-5	trans-1,2-Dichloroethene	<0.31	2.2	0.31	<0.077	0.56	0.077	
75-34-3	1,1-Dichloroethane	<0.32	2.3	0.32	<0.080	0.56	0.080	
1634-04-4	Methyl tert-Butyl Ether	<0.26	2.2	0.26	<0.072	0.62	0.072	
108-05-4	Vinyl Acetate	**25**	22	5.0	**7.1**	6.3	1.4	
78-93-3	2-Butanone (MEK)	**17**	4.5	0.45	**5.7**	1.5	0.15	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.12** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-007

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00847

Initial Pressure (psig): -1.78 Final Pressure (psig): 6.66

Canister Dilution Factor: 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.31	2.2	0.31	<0.078	0.55	0.078	
141-78-6	Ethyl Acetate	**9.4**	4.5	1.2	**2.6**	1.3	0.32	
110-54-3	n-Hexane	**0.50**	2.2	0.45	**0.14**	0.63	0.13	**J**
67-66-3	Chloroform	**0.54**	2.2	0.29	**0.11**	0.46	0.060	**J**
109-99-9	Tetrahydrofuran (THF)	**0.48**	2.3	0.28	**0.16**	0.77	0.094	**J**
107-06-2	1,2-Dichloroethane	<0.24	2.2	0.24	<0.060	0.55	0.060	
71-55-6	1,1,1-Trichloroethane	<0.27	2.2	0.27	<0.050	0.41	0.050	
71-43-2	Benzene	**0.40**	2.2	0.32	**0.12**	0.68	0.099	**J**
56-23-5	Carbon Tetrachloride	<0.31	2.2	0.31	<0.049	0.35	0.049	
110-82-7	Cyclohexane	<0.62	4.5	0.62	<0.18	1.3	0.18	
78-87-5	1,2-Dichloropropane	<0.27	2.2	0.27	<0.059	0.48	0.059	
75-27-4	Bromodichloromethane	<0.32	2.2	0.32	<0.047	0.33	0.047	
79-01-6	Trichloroethene	<0.30	2.2	0.30	<0.055	0.41	0.055	
123-91-1	1,4-Dioxane	**0.96**	2.2	0.26	**0.27**	0.62	0.072	**J**
80-62-6	Methyl Methacrylate	<0.78	4.5	0.78	<0.19	1.1	0.19	
142-82-5	n-Heptane	**0.57**	2.2	0.35	**0.14**	0.54	0.086	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.34	2.1	0.34	<0.075	0.47	0.075	
108-10-1	4-Methyl-2-pentanone	**0.37**	2.2	0.30	**0.091**	0.53	0.074	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.45	2.2	0.45	<0.10	0.48	0.10	
79-00-5	1,1,2-Trichloroethane	<0.22	2.2	0.22	<0.041	0.41	0.041	
108-88-3	Toluene	**2.1**	2.2	0.27	**0.55**	0.59	0.071	**J**
591-78-6	2-Hexanone	**2.2**	2.2	0.27	**0.53**	0.54	0.066	**J**
124-48-1	Dibromochloromethane	<0.29	2.2	0.29	<0.034	0.26	0.034	
106-93-4	1,2-Dibromoethane	<0.26	2.2	0.26	<0.033	0.29	0.033	
123-86-4	n-Butyl Acetate	**0.49**	2.3	0.30	**0.10**	0.48	0.063	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14.12** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-007

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00847

Initial Pressure (psig): -1.78 Final Pressure (psig): 6.66

Canister Dilution Factor: 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.97**	2.2	0.50	**0.21**	0.48	0.11	**J**
127-18-4	Tetrachloroethene	**4.0**	2.1	0.28	**0.59**	0.32	0.042	
108-90-7	Chlorobenzene	<0.29	2.2	0.29	<0.064	0.48	0.064	
100-41-4	Ethylbenzene	**0.50**	2.2	0.31	**0.12**	0.51	0.071	**J**
179601-23-1	m,p-Xylenes	**2.2**	4.5	0.58	**0.51**	1.0	0.13	**J**
75-25-2	Bromoform	<0.45	2.2	0.45	<0.044	0.22	0.044	
100-42-5	Styrene	<0.35	2.2	0.35	<0.083	0.51	0.083	
95-47-6	o-Xylene	**0.97**	2.2	0.32	**0.22**	0.51	0.073	**J**
111-84-2	n-Nonane	**4.5**	2.2	0.37	**0.85**	0.42	0.070	
79-34-5	1,1,2,2-Tetrachloroethane	<0.31	2.2	0.31	<0.044	0.32	0.044	
98-82-8	Cumene	<0.32	2.2	0.32	<0.065	0.45	0.065	
80-56-8	alpha-Pinene	<0.34	2.2	0.34	<0.061	0.40	0.061	
103-65-1	n-Propylbenzene	**0.35**	2.2	0.32	**0.071**	0.45	0.065	**J**
622-96-8	4-Ethyltoluene	**0.57**	2.2	0.35	**0.12**	0.45	0.071	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.70**	2.2	0.32	**0.14**	0.44	0.065	**J**
95-63-6	1,2,4-Trimethylbenzene	**2.8**	2.2	0.31	**0.56**	0.45	0.062	
100-44-7	Benzyl Chloride	<0.50	4.5	0.50	<0.096	0.88	0.096	
541-73-1	1,3-Dichlorobenzene	<0.33	2.2	0.33	<0.055	0.37	0.055	
106-46-7	1,4-Dichlorobenzene	<0.34	2.2	0.34	<0.056	0.37	0.056	
95-50-1	1,2-Dichlorobenzene	<0.33	2.2	0.33	<0.054	0.37	0.054	
5989-27-5	d-Limonene	<0.45	2.2	0.45	<0.081	0.40	0.081	
96-12-8	1,2-Dibromo-3-chloropropane	<0.41	2.2	0.41	<0.043	0.23	0.043	
120-82-1	1,2,4-Trichlorobenzene	<0.54	2.2	0.54	<0.072	0.30	0.072	
91-20-3	Naphthalene	**1.1**	2.1	0.54	**0.21**	0.41	0.10	**J**
87-68-3	Hexachlorobutadiene	<0.45	2.2	0.45	<0.043	0.21	0.043	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-008

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00158

Initial Pressure (psig): 0.09 Final Pressure (psig): 5.51

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**10**	1.8	0.45	**6.1**	1.1	0.26	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.3**	1.8	0.30	**0.46**	0.37	0.060	
74-87-3	Chloromethane	**1.1**	1.8	0.29	**0.55**	0.88	0.14	**J**
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.29	1.8	0.29	<0.041	0.26	0.041	
75-01-4	Vinyl Chloride	<0.20	1.8	0.20	<0.076	0.72	0.076	
106-99-0	1,3-Butadiene	<0.30	1.8	0.30	<0.14	0.82	0.14	
74-83-9	Bromomethane	**0.67**	1.8	0.25	**0.17**	0.48	0.065	**J**
75-00-3	Chloroethane	**2.1**	1.8	0.23	**0.79**	0.70	0.086	
64-17-5	Ethanol	**440**	18	1.3	**230**	9.5	0.67	**V**
75-05-8	Acetonitrile	**0.52**	1.8	0.45	**0.31**	1.1	0.27	**J**
107-02-8	Acrolein	**6.3**	3.4	0.51	**2.7**	1.5	0.22	
67-64-1	Acetone	**53**	18	4.1	**22**	7.6	1.7	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.2**	1.8	0.28	**0.21**	0.32	0.049	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**40**	7.2	0.75	**16**	2.9	0.31	
107-13-1	Acrylonitrile	**0.92**	1.8	0.38	**0.42**	0.84	0.17	**J**
75-35-4	1,1-Dichloroethene	<0.25	1.8	0.25	<0.064	0.47	0.064	
75-09-2	Methylene Chloride	**1.9**	1.8	0.51	**0.54**	0.52	0.15	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.25	1.8	0.25	<0.079	0.59	0.079	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.45**	1.8	0.26	**0.059**	0.24	0.034	**J**
75-15-0	Carbon Disulfide	**2.1**	3.8	0.55	**0.67**	1.2	0.18	**J**
156-60-5	trans-1,2-Dichloroethene	<0.25	1.8	0.25	<0.064	0.47	0.064	
75-34-3	1,1-Dichloroethane	<0.27	1.9	0.27	<0.066	0.47	0.066	
1634-04-4	Methyl tert-Butyl Ether	**0.50**	1.8	0.22	**0.14**	0.51	0.060	**J**
108-05-4	Vinyl Acetate	<4.1	18	4.1	<1.2	5.3	1.2	
78-93-3	2-Butanone (MEK)	**16**	3.8	0.38	**5.5**	1.3	0.13	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-008

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00158

Initial Pressure (psig): 0.09 Final Pressure (psig): 5.51

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.26	1.8	0.26	<0.065	0.46	0.065	
141-78-6	Ethyl Acetate	**32**	3.8	0.96	**9.0**	1.0	0.27	
110-54-3	n-Hexane	**26**	1.8	0.38	**7.5**	0.52	0.11	
67-66-3	Chloroform	<0.24	1.8	0.24	<0.050	0.38	0.050	
109-99-9	Tetrahydrofuran (THF)	**0.83**	1.9	0.23	**0.28**	0.64	0.078	**J**
107-06-2	1,2-Dichloroethane	<0.20	1.8	0.20	<0.050	0.46	0.050	
71-55-6	1,1,1-Trichloroethane	<0.23	1.8	0.23	<0.041	0.34	0.041	
71-43-2	Benzene	**2.5**	1.8	0.26	**0.78**	0.57	0.083	
56-23-5	Carbon Tetrachloride	**0.39**	1.8	0.25	**0.063**	0.29	0.040	**J**
110-82-7	Cyclohexane	**9.9**	3.8	0.51	**2.9**	1.1	0.15	
78-87-5	1,2-Dichloropropane	**0.30**	1.8	0.23	**0.066**	0.40	0.049	**J**
75-27-4	Bromodichloromethane	<0.26	1.8	0.26	<0.039	0.28	0.039	
79-01-6	Trichloroethene	**5.8**	1.8	0.25	**1.1**	0.34	0.046	
123-91-1	1,4-Dioxane	<0.22	1.8	0.22	<0.060	0.51	0.060	
80-62-6	Methyl Methacrylate	<0.65	3.8	0.65	<0.16	0.92	0.16	
142-82-5	n-Heptane	**84**	1.8	0.29	**21**	0.45	0.071	
10061-01-5	cis-1,3-Dichloropropene	<0.28	1.8	0.28	<0.063	0.39	0.063	
108-10-1	4-Methyl-2-pentanone	<0.25	1.8	0.25	<0.061	0.44	0.061	
10061-02-6	trans-1,3-Dichloropropene	<0.38	1.8	0.38	<0.083	0.40	0.083	
79-00-5	1,1,2-Trichloroethane	<0.18	1.8	0.18	<0.034	0.34	0.034	
108-88-3	Toluene	**170**	1.8	0.22	**44**	0.49	0.059	
591-78-6	2-Hexanone	<0.23	1.8	0.23	<0.055	0.45	0.055	
124-48-1	Dibromochloromethane	<0.24	1.8	0.24	<0.028	0.22	0.028	
106-93-4	1,2-Dibromoethane	<0.21	1.8	0.21	<0.028	0.24	0.028	
123-86-4	n-Butyl Acetate	**72**	1.9	0.25	**15**	0.40	0.053	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **AB** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-008

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SC00158

Initial Pressure (psig): 0.09 Final Pressure (psig): 5.51

Canister Dilution Factor: 1.37

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**11**	1.8	0.41	**2.3**	0.40	0.088	
127-18-4	Tetrachloroethene	**1.4**	1.8	0.24	**0.21**	0.26	0.035	**J**
108-90-7	Chlorobenzene	<0.24	1.8	0.24	<0.053	0.40	0.053	
100-41-4	Ethylbenzene	**2.8**	1.8	0.26	**0.65**	0.43	0.059	
179601-23-1	m,p-Xylenes	**9.7**	3.8	0.48	**2.2**	0.87	0.11	
75-25-2	Bromoform	<0.38	1.8	0.38	<0.036	0.18	0.036	
100-42-5	Styrene	**1.9**	1.8	0.29	**0.44**	0.43	0.069	
95-47-6	o-Xylene	**3.8**	1.8	0.26	**0.87**	0.43	0.061	
111-84-2	n-Nonane	**3.0**	1.8	0.30	**0.57**	0.35	0.058	
79-34-5	1,1,2,2-Tetrachloroethane	<0.25	1.8	0.25	<0.037	0.27	0.037	
98-82-8	Cumene	<0.26	1.8	0.26	<0.054	0.38	0.054	
80-56-8	alpha-Pinene	**58**	1.8	0.28	**10**	0.33	0.050	
103-65-1	n-Propylbenzene	**0.56**	1.8	0.26	**0.11**	0.38	0.054	**J**
622-96-8	4-Ethyltoluene	**0.60**	1.8	0.29	**0.12**	0.38	0.059	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.49**	1.8	0.26	**0.099**	0.37	0.054	**J**
95-63-6	1,2,4-Trimethylbenzene	**1.6**	1.8	0.25	**0.32**	0.38	0.052	**J**
100-44-7	Benzyl Chloride	<0.41	3.8	0.41	<0.079	0.73	0.079	
541-73-1	1,3-Dichlorobenzene	<0.27	1.8	0.27	<0.046	0.31	0.046	
106-46-7	1,4-Dichlorobenzene	<0.28	1.8	0.28	<0.047	0.31	0.047	
95-50-1	1,2-Dichlorobenzene	<0.27	1.8	0.27	<0.045	0.31	0.045	
5989-27-5	d-Limonene	**6.1**	1.8	0.38	**1.1**	0.33	0.068	
96-12-8	1,2-Dibromo-3-chloropropane	<0.34	1.8	0.34	<0.035	0.19	0.035	
120-82-1	1,2,4-Trichlorobenzene	<0.45	1.8	0.45	<0.060	0.25	0.060	
91-20-3	Naphthalene	<0.45	1.8	0.45	<0.085	0.34	0.085	
87-68-3	Hexachlorobutadiene	<0.38	1.8	0.38	<0.035	0.17	0.035	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002314

Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200511-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/11/20

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.13	0.53	0.13	<0.076	0.31	0.076	
75-71-8	Dichlorodifluoromethane (CFC 12)	<0.087	0.53	0.087	<0.018	0.11	0.018	
74-87-3	Chloromethane	<0.086	0.53	0.086	<0.042	0.26	0.042	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.084	0.53	0.084	<0.012	0.076	0.012	
75-01-4	Vinyl Chloride	<0.057	0.54	0.057	<0.022	0.21	0.022	
106-99-0	1,3-Butadiene	<0.088	0.53	0.088	<0.040	0.24	0.040	
74-83-9	Bromomethane	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-00-3	Chloroethane	<0.066	0.54	0.066	<0.025	0.20	0.025	
64-17-5	Ethanol	<0.37	5.2	0.37	<0.20	2.8	0.20	
75-05-8	Acetonitrile	<0.13	0.53	0.13	<0.077	0.32	0.077	
107-02-8	Acrolein	<0.15	1.0	0.15	<0.065	0.44	0.065	
67-64-1	Acetone	<1.2	5.3	1.2	<0.51	2.2	0.51	
75-69-4	Trichlorofluoromethane (CFC 11)	<0.081	0.53	0.081	<0.014	0.094	0.014	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.22	2.1	0.22	<0.090	0.85	0.090	
107-13-1	Acrylonitrile	<0.11	0.53	0.11	<0.051	0.24	0.051	
75-35-4	1,1-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-09-2	Methylene Chloride	<0.15	0.53	0.15	<0.043	0.15	0.043	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.072	0.54	0.072	<0.023	0.17	0.023	
76-13-1	Trichlorotrifluoroethane (CFC 113)	<0.076	0.54	0.076	<0.0099	0.070	0.0099	
75-15-0	Carbon Disulfide	<0.16	1.1	0.16	<0.051	0.35	0.051	
156-60-5	trans-1,2-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-34-3	1,1-Dichloroethane	<0.078	0.55	0.078	<0.019	0.14	0.019	
1634-04-4	Methyl tert-Butyl Ether	<0.063	0.54	0.063	<0.017	0.15	0.017	
108-05-4	Vinyl Acetate	<1.2	5.4	1.2	<0.34	1.5	0.34	
78-93-3	2-Butanone (MEK)	<0.11	1.1	0.11	<0.037	0.37	0.037	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** — ALS Project ID: P2002314

Client Project ID: **SDE DOV / KTE-27-20-Simi** — ALS Sample ID: P200511-MB

Test Code: EPA TO-15 — Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 — Date Received: NA

Analyst: Wida Ang — Date Analyzed: 5/11/20

Sample Type: 1.0 L Silonite Summa Canister — Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.075	0.53	0.075	<0.019	0.13	0.019	
141-78-6	Ethyl Acetate	<0.28	1.1	0.28	<0.078	0.31	0.078	
110-54-3	n-Hexane	<0.11	0.54	0.11	<0.031	0.15	0.031	
67-66-3	Chloroform	<0.071	0.54	0.071	<0.015	0.11	0.015	
109-99-9	Tetrahydrofuran (THF)	<0.067	0.55	0.067	<0.023	0.19	0.023	
107-06-2	1,2-Dichloroethane	<0.059	0.54	0.059	<0.015	0.13	0.015	
71-55-6	1,1,1-Trichloroethane	<0.066	0.54	0.066	<0.012	0.099	0.012	
71-43-2	Benzene	<0.077	0.53	0.077	<0.024	0.17	0.024	
56-23-5	Carbon Tetrachloride	<0.074	0.53	0.074	<0.012	0.084	0.012	
110-82-7	Cyclohexane	<0.15	1.1	0.15	<0.044	0.32	0.044	
78-87-5	1,2-Dichloropropane	<0.066	0.54	0.066	<0.014	0.12	0.014	
75-27-4	Bromodichloromethane	<0.077	0.54	0.077	<0.011	0.081	0.011	
79-01-6	Trichloroethene	<0.072	0.54	0.072	<0.013	0.10	0.013	
123-91-1	1,4-Dioxane	<0.063	0.54	0.063	<0.017	0.15	0.017	
80-62-6	Methyl Methacrylate	<0.19	1.1	0.19	<0.046	0.27	0.046	
142-82-5	n-Heptane	<0.085	0.54	0.085	<0.021	0.13	0.021	
10061-01-5	cis-1,3-Dichloropropene	<0.083	0.52	0.083	<0.018	0.11	0.018	
108-10-1	4-Methyl-2-pentanone	<0.073	0.53	0.073	<0.018	0.13	0.018	
10061-02-6	trans-1,3-Dichloropropene	<0.11	0.53	0.11	<0.024	0.12	0.024	
79-00-5	1,1,2-Trichloroethane	<0.054	0.54	0.054	<0.0099	0.099	0.0099	
108-88-3	Toluene	<0.065	0.54	0.065	<0.017	0.14	0.017	
591-78-6	2-Hexanone	<0.066	0.54	0.066	<0.016	0.13	0.016	
124-48-1	Dibromochloromethane	<0.070	0.54	0.070	<0.0082	0.063	0.0082	
106-93-4	1,2-Dibromoethane	<0.062	0.54	0.062	<0.0081	0.070	0.0081	
123-86-4	n-Butyl Acetate	<0.073	0.55	0.073	<0.015	0.12	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Method Blank** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200511-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/11/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.12	0.54	0.12	<0.026	0.12	0.026	
127-18-4	Tetrachloroethene	<0.069	0.52	0.069	<0.010	0.077	0.010	
108-90-7	Chlorobenzene	<0.071	0.54	0.071	<0.015	0.12	0.015	
100-41-4	Ethylbenzene	<0.075	0.54	0.075	<0.017	0.12	0.017	
179601-23-1	m,p-Xylenes	<0.14	1.1	0.14	<0.032	0.25	0.032	
75-25-2	Bromoform	<0.11	0.54	0.11	<0.011	0.052	0.011	
100-42-5	Styrene	<0.086	0.53	0.086	<0.020	0.12	0.020	
95-47-6	o-Xylene	<0.077	0.54	0.077	<0.018	0.12	0.018	
111-84-2	n-Nonane	<0.089	0.54	0.089	<0.017	0.10	0.017	
79-34-5	1,1,2,2-Tetrachloroethane	<0.074	0.54	0.074	<0.011	0.079	0.011	
98-82-8	Cumene	<0.077	0.54	0.077	<0.016	0.11	0.016	
80-56-8	alpha-Pinene	<0.082	0.54	0.082	<0.015	0.097	0.015	
103-65-1	n-Propylbenzene	<0.077	0.54	0.077	<0.016	0.11	0.016	
622-96-8	4-Ethyltoluene	<0.085	0.54	0.085	<0.017	0.11	0.017	
108-67-8	1,3,5-Trimethylbenzene	<0.077	0.53	0.077	<0.016	0.11	0.016	
95-63-6	1,2,4-Trimethylbenzene	<0.074	0.54	0.074	<0.015	0.11	0.015	
100-44-7	Benzyl Chloride	<0.12	1.1	0.12	<0.023	0.21	0.023	
541-73-1	1,3-Dichlorobenzene	<0.080	0.54	0.080	<0.013	0.090	0.013	
106-46-7	1,4-Dichlorobenzene	<0.082	0.54	0.082	<0.014	0.090	0.014	
95-50-1	1,2-Dichlorobenzene	<0.079	0.54	0.079	<0.013	0.090	0.013	
5989-27-5	d-Limonene	<0.11	0.54	0.11	<0.020	0.097	0.020	
96-12-8	1,2-Dibromo-3-chloropropane	<0.10	0.53	0.10	<0.010	0.055	0.010	
120-82-1	1,2,4-Trichlorobenzene	<0.13	0.54	0.13	<0.018	0.073	0.018	
91-20-3	Naphthalene	<0.13	0.52	0.13	<0.025	0.099	0.025	
87-68-3	Hexachlorobutadiene	<0.11	0.53	0.11	<0.010	0.050	0.010	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002314

Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200512-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/12/20

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.13	0.53	0.13	<0.076	0.31	0.076	
75-71-8	Dichlorodifluoromethane (CFC 12)	<0.087	0.53	0.087	<0.018	0.11	0.018	
74-87-3	Chloromethane	<0.086	0.53	0.086	<0.042	0.26	0.042	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.084	0.53	0.084	<0.012	0.076	0.012	
75-01-4	Vinyl Chloride	<0.057	0.54	0.057	<0.022	0.21	0.022	
106-99-0	1,3-Butadiene	<0.088	0.53	0.088	<0.040	0.24	0.040	
74-83-9	Bromomethane	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-00-3	Chloroethane	<0.066	0.54	0.066	<0.025	0.20	0.025	
64-17-5	Ethanol	<0.37	5.2	0.37	<0.20	2.8	0.20	**V**
75-05-8	Acetonitrile	<0.13	0.53	0.13	<0.077	0.32	0.077	
107-02-8	Acrolein	<0.15	1.0	0.15	<0.065	0.44	0.065	
67-64-1	Acetone	<1.2	5.3	1.2	<0.51	2.2	0.51	
75-69-4	Trichlorofluoromethane (CFC 11)	<0.081	0.53	0.081	<0.014	0.094	0.014	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.22	2.1	0.22	<0.090	0.85	0.090	
107-13-1	Acrylonitrile	<0.11	0.53	0.11	<0.051	0.24	0.051	
75-35-4	1,1-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-09-2	Methylene Chloride	<0.15	0.53	0.15	<0.043	0.15	0.043	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.072	0.54	0.072	<0.023	0.17	0.023	
76-13-1	Trichlorotrifluoroethane (CFC 113)	<0.076	0.54	0.076	<0.0099	0.070	0.0099	
75-15-0	Carbon Disulfide	<0.16	1.1	0.16	<0.051	0.35	0.051	
156-60-5	trans-1,2-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-34-3	1,1-Dichloroethane	<0.078	0.55	0.078	<0.019	0.14	0.019	
1634-04-4	Methyl tert-Butyl Ether	<0.063	0.54	0.063	<0.017	0.15	0.017	
108-05-4	Vinyl Acetate	<1.2	5.4	1.2	<0.34	1.5	0.34	
78-93-3	2-Butanone (MEK)	<0.11	1.1	0.11	<0.037	0.37	0.037	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

V = The continuing calibration verification standard was outside (biased low) the specified limits for this compound.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** — ALS Project ID: P2002314

Client Project ID: **SDE DOV / KTE-27-20-Simi** — ALS Sample ID: P200512-MB

Test Code: EPA TO-15 — Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 — Date Received: NA

Analyst: Wida Ang — Date Analyzed: 5/12/20

Sample Type: 1.0 L Silonite Summa Canister — Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.075	0.53	0.075	<0.019	0.13	0.019	
141-78-6	Ethyl Acetate	<0.28	1.1	0.28	<0.078	0.31	0.078	
110-54-3	n-Hexane	<0.11	0.54	0.11	<0.031	0.15	0.031	
67-66-3	Chloroform	<0.071	0.54	0.071	<0.015	0.11	0.015	
109-99-9	Tetrahydrofuran (THF)	<0.067	0.55	0.067	<0.023	0.19	0.023	
107-06-2	1,2-Dichloroethane	<0.059	0.54	0.059	<0.015	0.13	0.015	
71-55-6	1,1,1-Trichloroethane	<0.066	0.54	0.066	<0.012	0.099	0.012	
71-43-2	Benzene	<0.077	0.53	0.077	<0.024	0.17	0.024	
56-23-5	Carbon Tetrachloride	<0.074	0.53	0.074	<0.012	0.084	0.012	
110-82-7	Cyclohexane	<0.15	1.1	0.15	<0.044	0.32	0.044	
78-87-5	1,2-Dichloropropane	<0.066	0.54	0.066	<0.014	0.12	0.014	
75-27-4	Bromodichloromethane	<0.077	0.54	0.077	<0.011	0.081	0.011	
79-01-6	Trichloroethene	<0.072	0.54	0.072	<0.013	0.10	0.013	
123-91-1	1,4-Dioxane	<0.063	0.54	0.063	<0.017	0.15	0.017	
80-62-6	Methyl Methacrylate	<0.19	1.1	0.19	<0.046	0.27	0.046	
142-82-5	n-Heptane	<0.085	0.54	0.085	<0.021	0.13	0.021	
10061-01-5	cis-1,3-Dichloropropene	<0.083	0.52	0.083	<0.018	0.11	0.018	
108-10-1	4-Methyl-2-pentanone	<0.073	0.53	0.073	<0.018	0.13	0.018	
10061-02-6	trans-1,3-Dichloropropene	<0.11	0.53	0.11	<0.024	0.12	0.024	
79-00-5	1,1,2-Trichloroethane	<0.054	0.54	0.054	<0.0099	0.099	0.0099	
108-88-3	Toluene	<0.065	0.54	0.065	<0.017	0.14	0.017	
591-78-6	2-Hexanone	<0.066	0.54	0.066	<0.016	0.13	0.016	
124-48-1	Dibromochloromethane	<0.070	0.54	0.070	<0.0082	0.063	0.0082	
106-93-4	1,2-Dibromoethane	<0.062	0.54	0.062	<0.0081	0.070	0.0081	
123-86-4	n-Butyl Acetate	<0.073	0.55	0.073	<0.015	0.12	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** — ALS Project ID: P2002314

Client Project ID: **SDE DOV / KTE-27-20-Simi** — ALS Sample ID: P200512-MB

Test Code: EPA TO-15 — Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 — Date Received: NA

Analyst: Wida Ang — Date Analyzed: 5/12/20

Sample Type: 1.0 L Silonite Summa Canister — Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.12	0.54	0.12	<0.026	0.12	0.026	
127-18-4	Tetrachloroethene	<0.069	0.52	0.069	<0.010	0.077	0.010	
108-90-7	Chlorobenzene	<0.071	0.54	0.071	<0.015	0.12	0.015	
100-41-4	Ethylbenzene	<0.075	0.54	0.075	<0.017	0.12	0.017	
179601-23-1	m,p-Xylenes	<0.14	1.1	0.14	<0.032	0.25	0.032	
75-25-2	Bromoform	<0.11	0.54	0.11	<0.011	0.052	0.011	
100-42-5	Styrene	<0.086	0.53	0.086	<0.020	0.12	0.020	
95-47-6	o-Xylene	<0.077	0.54	0.077	<0.018	0.12	0.018	
111-84-2	n-Nonane	<0.089	0.54	0.089	<0.017	0.10	0.017	
79-34-5	1,1,2,2-Tetrachloroethane	<0.074	0.54	0.074	<0.011	0.079	0.011	
98-82-8	Cumene	<0.077	0.54	0.077	<0.016	0.11	0.016	
80-56-8	alpha-Pinene	<0.082	0.54	0.082	<0.015	0.097	0.015	
103-65-1	n-Propylbenzene	<0.077	0.54	0.077	<0.016	0.11	0.016	
622-96-8	4-Ethyltoluene	<0.085	0.54	0.085	<0.017	0.11	0.017	
108-67-8	1,3,5-Trimethylbenzene	<0.077	0.53	0.077	<0.016	0.11	0.016	
95-63-6	1,2,4-Trimethylbenzene	<0.074	0.54	0.074	<0.015	0.11	0.015	
100-44-7	Benzyl Chloride	<0.12	1.1	0.12	<0.023	0.21	0.023	
541-73-1	1,3-Dichlorobenzene	<0.080	0.54	0.080	<0.013	0.090	0.013	
106-46-7	1,4-Dichlorobenzene	<0.082	0.54	0.082	<0.014	0.090	0.014	
95-50-1	1,2-Dichlorobenzene	<0.079	0.54	0.079	<0.013	0.090	0.013	
5989-27-5	d-Limonene	<0.11	0.54	0.11	<0.020	0.097	0.020	
96-12-8	1,2-Dibromo-3-chloropropane	<0.10	0.53	0.10	<0.010	0.055	0.010	
120-82-1	1,2,4-Trichlorobenzene	<0.13	0.54	0.13	<0.018	0.073	0.018	
91-20-3	Naphthalene	<0.13	0.52	0.13	<0.025	0.099	0.025	
87-68-3	Hexachlorobutadiene	<0.11	0.53	0.11	<0.010	0.050	0.010	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Project ID: P2002314

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 4/22/20
Analyst: Wida Ang Date(s) Received: 4/28/20
Sample Type: 1.0 L Silonite Summa Canister(s) / 1.0 L Summa Canister(s) Date(s) Analyzed: 5/11 - 5/12/20
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P200511-MB	**99**	**99**	**101**	70-130	
Method Blank	P200512-MB	**98**	**100**	**100**	70-130	
Lab Control Sample	P200511-LCS	**96**	**99**	**104**	70-130	
Lab Control Sample	P200512-LCS	**96**	**101**	**103**	70-130	
SG-2.1	P2002314-001	**100**	**99**	**102**	70-130	
SG-2.1	P2002314-001DUP	**100**	**99**	**101**	70-130	
SG-2.16	P2002314-002	**98**	**100**	**101**	70-130	
SG-2.16	P2002314-002DUP	**99**	**100**	**101**	70-130	
SG-14.27	P2002314-003	**99**	**99**	**101**	70-130	
SG-14.24	P2002314-004	**97**	**99**	**101**	70-130	
SG-14.21	P2002314-005	**98**	**99**	**101**	70-130	
SG-14.3	P2002314-006	**98**	**100**	**100**	70-130	
SG-14.12	P2002314-007	**98**	**99**	**101**	70-130	
AB	P2002314-008	**96**	**100**	**105**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200511-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/11/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	210	**186**	**89**	51-133	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**185**	**88**	64-115	
74-87-3	Chloromethane	212	**216**	**102**	49-127	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	**183**	**89**	65-114	
75-01-4	Vinyl Chloride	212	**200**	**94**	61-129	
106-99-0	1,3-Butadiene	212	**262**	**124**	54-140	
74-83-9	Bromomethane	212	**215**	**101**	68-120	
75-00-3	Chloroethane	214	**214**	**100**	63-123	
64-17-5	Ethanol	1,060	**803**	**76**	49-134	
75-05-8	Acetonitrile	214	**190**	**89**	50-137	
107-02-8	Acrolein	206	**209**	**101**	62-128	
67-64-1	Acetone	1,070	**969**	**91**	56-125	
75-69-4	Trichlorofluoromethane (CFC 11)	212	**188**	**89**	64-115	
67-63-0	2-Propanol (Isopropyl Alcohol)	422	**412**	**98**	57-133	
107-13-1	Acrylonitrile	212	**220**	**104**	64-136	
75-35-4	1,1-Dichloroethene	214	**210**	**98**	67-115	
75-09-2	Methylene Chloride	210	**195**	**93**	68-114	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	**191**	**89**	55-139	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	**195**	**90**	65-115	
75-15-0	Carbon Disulfide	212	**183**	**86**	68-113	
156-60-5	trans-1,2-Dichloroethene	214	**212**	**99**	65-122	
75-34-3	1,1-Dichloroethane	212	**193**	**91**	63-118	
1634-04-4	Methyl tert-Butyl Ether	214	**221**	**103**	57-131	
108-05-4	Vinyl Acetate	1,070	**964**	**90**	71-128	
78-93-3	2-Butanone (MEK)	212	**201**	**95**	67-123	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200511-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/11/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	212	**202**	**95**	64-120	
141-78-6	Ethyl Acetate	432	**441**	**102**	64-131	
110-54-3	n-Hexane	216	**198**	**92**	58-125	
67-66-3	Chloroform	214	**196**	**92**	65-114	
109-99-9	Tetrahydrofuran (THF)	220	**209**	**95**	65-115	
107-06-2	1,2-Dichloroethane	214	**195**	**91**	59-119	
71-55-6	1,1,1-Trichloroethane	214	**201**	**94**	66-115	
71-43-2	Benzene	210	**191**	**91**	66-109	
56-23-5	Carbon Tetrachloride	208	**191**	**92**	66-119	
110-82-7	Cyclohexane	422	**400**	**95**	67-117	
78-87-5	1,2-Dichloropropane	214	**200**	**93**	66-119	
75-27-4	Bromodichloromethane	218	**203**	**93**	71-119	
79-01-6	Trichloroethene	216	**202**	**94**	70-114	
123-91-1	1,4-Dioxane	216	**219**	**101**	71-117	
80-62-6	Methyl Methacrylate	430	**428**	**100**	76-121	
142-82-5	n-Heptane	214	**206**	**96**	66-119	
10061-01-5	cis-1,3-Dichloropropene	214	**227**	**106**	72-125	
108-10-1	4-Methyl-2-pentanone	212	**212**	**100**	68-130	
10061-02-6	trans-1,3-Dichloropropene	212	**218**	**103**	71-132	
79-00-5	1,1,2-Trichloroethane	214	**204**	**95**	70-117	
108-88-3	Toluene	212	**197**	**93**	67-113	
591-78-6	2-Hexanone	216	**225**	**104**	62-135	
124-48-1	Dibromochloromethane	214	**210**	**98**	73-126	
106-93-4	1,2-Dibromoethane	214	**215**	**100**	71-122	
123-86-4	n-Butyl Acetate	218	**248**	**114**	65-134	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200511-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/11/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	216	**209**	**97**	63-120	
127-18-4	Tetrachloroethene	208	**192**	**92**	64-120	
108-90-7	Chlorobenzene	214	**196**	**92**	65-116	
100-41-4	Ethylbenzene	212	**207**	**98**	65-117	
179601-23-1	m,p-Xylenes	426	**408**	**96**	64-121	
75-25-2	Bromoform	214	**228**	**107**	72-130	
100-42-5	Styrene	212	**226**	**107**	72-126	
95-47-6	o-Xylene	214	**205**	**96**	64-120	
111-84-2	n-Nonane	214	**212**	**99**	56-132	
79-34-5	1,1,2,2-Tetrachloroethane	214	**207**	**97**	66-122	
98-82-8	Cumene	214	**203**	**95**	64-121	
80-56-8	alpha-Pinene	212	**206**	**97**	62-136	
103-65-1	n-Propylbenzene	214	**209**	**98**	65-123	
622-96-8	4-Ethyltoluene	210	**207**	**99**	71-126	
108-67-8	1,3,5-Trimethylbenzene	212	**204**	**96**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**222**	**105**	63-129	
100-44-7	Benzyl Chloride	214	**228**	**107**	66-138	
541-73-1	1,3-Dichlorobenzene	214	**209**	**98**	65-127	
106-46-7	1,4-Dichlorobenzene	214	**206**	**96**	65-125	
95-50-1	1,2-Dichlorobenzene	214	**215**	**100**	67-128	
5989-27-5	d-Limonene	212	**234**	**110**	65-136	
96-12-8	1,2-Dibromo-3-chloropropane	214	**228**	**107**	73-133	
120-82-1	1,2,4-Trichlorobenzene	216	**240**	**111**	62-140	
91-20-3	Naphthalene	212	**271**	**128**	57-149	
87-68-3	Hexachlorobutadiene	214	**212**	**99**	57-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200512-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	210	**175**	**83**	51-133	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**176**	**84**	64-115	
74-87-3	Chloromethane	212	**193**	**91**	49-127	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	**182**	**88**	65-114	
75-01-4	Vinyl Chloride	212	**208**	**98**	61-129	
106-99-0	1,3-Butadiene	212	**192**	**91**	54-140	
74-83-9	Bromomethane	212	**213**	**100**	68-120	
75-00-3	Chloroethane	214	**217**	**101**	63-123	
64-17-5	Ethanol	1,060	**891**	**84**	49-134	
75-05-8	Acetonitrile	214	**188**	**88**	50-137	
107-02-8	Acrolein	206	**202**	**98**	62-128	
67-64-1	Acetone	1,070	**948**	**89**	56-125	
75-69-4	Trichlorofluoromethane (CFC 11)	212	**185**	**87**	64-115	
67-63-0	2-Propanol (Isopropyl Alcohol)	422	**411**	**97**	57-133	
107-13-1	Acrylonitrile	212	**216**	**102**	64-136	
75-35-4	1,1-Dichloroethene	214	**207**	**97**	67-115	
75-09-2	Methylene Chloride	210	**192**	**91**	68-114	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	**187**	**87**	55-139	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	**192**	**89**	65-115	
75-15-0	Carbon Disulfide	212	**179**	**84**	68-113	
156-60-5	trans-1,2-Dichloroethene	214	**208**	**97**	65-122	
75-34-3	1,1-Dichloroethane	212	**189**	**89**	63-118	
1634-04-4	Methyl tert-Butyl Ether	214	**221**	**103**	57-131	
108-05-4	Vinyl Acetate	1,070	**945**	**88**	71-128	
78-93-3	2-Butanone (MEK)	212	**201**	**95**	67-123	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200512-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	212	**198**	**93**	64-120	
141-78-6	Ethyl Acetate	432	**435**	**101**	64-131	
110-54-3	n-Hexane	216	**197**	**91**	58-125	
67-66-3	Chloroform	214	**192**	**90**	65-114	
109-99-9	Tetrahydrofuran (THF)	220	**206**	**94**	65-115	
107-06-2	1,2-Dichloroethane	214	**190**	**89**	59-119	
71-55-6	1,1,1-Trichloroethane	214	**195**	**91**	66-115	
71-43-2	Benzene	210	**187**	**89**	66-109	
56-23-5	Carbon Tetrachloride	208	**186**	**89**	66-119	
110-82-7	Cyclohexane	422	**392**	**93**	67-117	
78-87-5	1,2-Dichloropropane	214	**196**	**92**	66-119	
75-27-4	Bromodichloromethane	218	**197**	**90**	71-119	
79-01-6	Trichloroethene	216	**197**	**91**	70-114	
123-91-1	1,4-Dioxane	216	**214**	**99**	71-117	
80-62-6	Methyl Methacrylate	430	**420**	**98**	76-121	
142-82-5	n-Heptane	214	**202**	**94**	66-119	
10061-01-5	cis-1,3-Dichloropropene	214	**221**	**103**	72-125	
108-10-1	4-Methyl-2-pentanone	212	**209**	**99**	68-130	
10061-02-6	trans-1,3-Dichloropropene	212	**213**	**100**	71-132	
79-00-5	1,1,2-Trichloroethane	214	**199**	**93**	70-117	
108-88-3	Toluene	212	**198**	**93**	67-113	
591-78-6	2-Hexanone	216	**226**	**105**	62-135	
124-48-1	Dibromochloromethane	214	**211**	**99**	73-126	
106-93-4	1,2-Dibromoethane	214	**216**	**101**	71-122	
123-86-4	n-Butyl Acetate	218	**251**	**115**	65-134	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P200512-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	216	**209**	**97**	63-120	
127-18-4	Tetrachloroethene	208	**193**	**93**	64-120	
108-90-7	Chlorobenzene	214	**196**	**92**	65-116	
100-41-4	Ethylbenzene	212	**207**	**98**	65-117	
179601-23-1	m,p-Xylenes	426	**408**	**96**	64-121	
75-25-2	Bromoform	214	**228**	**107**	72-130	
100-42-5	Styrene	212	**228**	**108**	72-126	
95-47-6	o-Xylene	214	**205**	**96**	64-120	
111-84-2	n-Nonane	214	**210**	**98**	56-132	
79-34-5	1,1,2,2-Tetrachloroethane	214	**208**	**97**	66-122	
98-82-8	Cumene	214	**204**	**95**	64-121	
80-56-8	alpha-Pinene	212	**205**	**97**	62-136	
103-65-1	n-Propylbenzene	214	**208**	**97**	65-123	
622-96-8	4-Ethyltoluene	210	**206**	**98**	71-126	
108-67-8	1,3,5-Trimethylbenzene	212	**206**	**97**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**221**	**104**	63-129	
100-44-7	Benzyl Chloride	214	**229**	**107**	66-138	
541-73-1	1,3-Dichlorobenzene	214	**208**	**97**	65-127	
106-46-7	1,4-Dichlorobenzene	214	**206**	**96**	65-125	
95-50-1	1,2-Dichlorobenzene	214	**213**	**100**	67-128	
5989-27-5	d-Limonene	212	**230**	**108**	65-136	
96-12-8	1,2-Dibromo-3-chloropropane	214	**228**	**107**	73-133	
120-82-1	1,2,4-Trichlorobenzene	216	**240**	**111**	62-140	
91-20-3	Naphthalene	212	**269**	**127**	57-149	
87-68-3	Hexachlorobutadiene	214	**210**	**98**	57-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.1** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-001DUP

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00027

Initial Pressure (psig): -1.24 Final Pressure (psig): 6.49
Initial Pressure 2 (psig): 1.61 Final Pressure 2 (psig): 10.15
Canister Dilution Factor: 2.40

Compound	Sample Result µg/m³	Sample Result ppbV	**Duplicate Sample Result µg/m³**	**Duplicate Sample Result** ppbV	Average µg/m³	**% RPD**	RPD Limit	**Data Qualifier**
Propene	<0.78	<0.45	0.828	0.481	-	-	25	**J**
Dichlorodifluoromethane (CFC 12)	2.62	0.529	2.48	0.503	2.55	**5**	25	**J**
Chloromethane	<0.52	<0.25	<0.52	<0.25	-	-	25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.50	<0.072	<0.50	<0.072	-	-	25	
Vinyl Chloride	<0.34	<0.13	<0.34	<0.13	-	-	25	
1,3-Butadiene	<0.53	<0.24	<0.53	<0.24	-	-	25	
Bromomethane	<0.44	<0.11	<0.44	<0.11	-	-	25	
Chloroethane	<0.40	<0.15	<0.40	<0.15	-	-	25	
Ethanol	14.6	7.77	13.1	6.94	13.85	**11**	25	**J**
Acetonitrile	<0.78	<0.46	<0.78	<0.46	-	-	25	**J**
Acrolein	<0.90	<0.39	<0.90	<0.39	-	-	25	**J**
Acetone	11.9	5.02	11.6	4.90	11.75	**3**	25	**J**
Trichlorofluoromethane	20.3	3.60	20.5	3.64	20.4	**1**	25	
2-Propanol (Isopropyl Alcohol)	<1.3	<0.54	<1.3	<0.54	-	-	25	**J**
Acrylonitrile	<0.66	<0.30	<0.66	<0.30	-	-	25	
1,1-Dichloroethene	<0.44	<0.11	<0.44	<0.11	-	-	25	
Methylene Chloride	0.996	0.287	0.972	0.280	0.984	**2**	25	**J**
3-Chloro-1-propene (Allyl Chloride)	<0.43	<0.14	<0.43	<0.14	-	-	25	
Trichlorotrifluoroethane	0.846	0.110	0.852	0.111	0.849	**0.7**	25	**J**
Carbon Disulfide	2.27	0.731	2.41	0.773	2.34	**6**	25	**J**
trans-1,2-Dichloroethene	<0.44	<0.11	<0.44	<0.11	-	-	25	
1,1-Dichloroethane	<0.47	<0.12	<0.47	<0.12	-	-	25	
Methyl tert-Butyl Ether	<0.38	<0.10	<0.38	<0.10	-	-	25	
Vinyl Acetate	<7.2	<2.0	<7.2	<2.0	-	-	25	
2-Butanone (MEK)	1.79	0.609	1.73	0.586	1.76	**3**	25	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.1** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-001DUP

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00027

Initial Pressure (psig): -1.24 Final Pressure (psig): 6.49
Initial Pressure 2 (psig): 1.61 Final Pressure 2 (psig): 10.15
Canister Dilution Factor: 2.40

Compound	Sample Result µg/m³	Sample Result ppbV	Duplicate Sample Result µg/m³	Duplicate Sample Result ppbV	Average µg/m³	% RPD	RPD Limit	Data Qualifier
cis-1,2-Dichloroethene	<0.45	<0.11	<0.45	<0.11	-	-	25	
Ethyl Acetate	<1.7	<0.47	<1.7	<0.47	-	-	25	
n-Hexane	<0.66	<0.19	<0.66	<0.19	-	-	25	
Chloroform	0.936	0.192	0.930	0.191	0.933	**0.6**	25	**J**
Tetrahydrofuran (THF)	<0.40	<0.14	<0.40	<0.14	-	-	25	
1,2-Dichloroethane	<0.35	<0.087	<0.35	<0.087	-	-	25	
1,1,1-Trichloroethane	<0.40	<0.073	<0.40	<0.073	-	-	25	
Benzene	<0.46	<0.14	<0.46	<0.14	-	-	25	**J**
Carbon Tetrachloride	<0.44	<0.071	<0.44	<0.071	-	-	25	
Cyclohexane	<0.90	<0.26	<0.90	<0.26	-	-	25	
1,2-Dichloropropane	<0.40	<0.086	<0.40	<0.086	-	-	25	
Bromodichloromethane	<0.46	<0.069	<0.46	<0.069	-	-	25	
Trichloroethene	<0.43	<0.080	<0.43	<0.080	-	-	25	
1,4-Dioxane	<0.38	<0.10	<0.38	<0.10	-	-	25	
Methyl Methacrylate	<1.1	<0.28	<1.1	<0.28	-	-	25	
n-Heptane	<0.51	<0.12	<0.51	<0.12	-	-	25	**J**
cis-1,3-Dichloropropene	<0.50	<0.11	<0.50	<0.11	-	-	25	
4-Methyl-2-pentanone	<0.44	<0.11	<0.44	<0.11	-	-	25	
trans-1,3-Dichloropropene	<0.66	<0.15	<0.66	<0.15	-	-	25	
1,1,2-Trichloroethane	<0.32	<0.059	<0.32	<0.059	-	-	25	
Toluene	4.39	1.16	4.37	1.16	4.38	**0.5**	25	
2-Hexanone	<0.40	<0.097	<0.40	<0.097	-	-	25	
Dibromochloromethane	<0.42	<0.049	<0.42	<0.049	-	-	25	
1,2-Dibromoethane	<0.37	<0.048	<0.37	<0.048	-	-	25	
n-Butyl Acetate	0.504	0.106	0.534	0.112	0.519	**6**	25	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.1** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-001DUP

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00027

Initial Pressure (psig): -1.24 Final Pressure (psig): 6.49
Initial Pressure 2 (psig): 1.61 Final Pressure 2 (psig): 10.15
Canister Dilution Factor: 2.40

Compound	Sample Result µg/m³	Sample Result ppbV	Duplicate Sample Result µg/m³	Duplicate Sample Result ppbV	Average µg/m³	% RPD	RPD Limit	Data Qualifier
n-Octane	<0.72	<0.15	<0.72	<0.15	-	-	25	**J**
Tetrachloroethene	<0.41	<0.061	<0.41	<0.061	-	-	25	
Chlorobenzene	<0.43	<0.093	<0.43	<0.093	-	-	25	
Ethylbenzene	0.600	0.138	0.648	0.149	0.624	**8**	25	**J**
m,p-Xylenes	2.10	0.484	2.27	0.522	2.185	**8**	25	**J**
Bromoform	<0.66	<0.064	<0.66	<0.064	-	-	25	
Styrene	<0.52	<0.12	<0.52	<0.12	-	-	25	
o-Xylene	0.636	0.146	0.732	0.169	0.684	**14**	25	**J**
n-Nonane	1.37	0.261	1.47	0.280	1.42	**7**	25	**J**
1,1,2,2-Tetrachloroethane	<0.44	<0.065	<0.44	<0.065	-	-	25	
Cumene	<0.46	<0.094	<0.46	<0.094	-	-	25	
alpha-Pinene	<0.49	<0.088	<0.49	<0.088	-	-	25	
n-Propylbenzene	<0.46	<0.094	<0.46	<0.094	-	-	25	
4-Ethyltoluene	<0.51	<0.10	<0.51	<0.10	-	-	25	
1,3,5-Trimethylbenzene	<0.46	<0.094	<0.46	<0.094	-	-	25	
1,2,4-Trimethylbenzene	0.894	0.182	0.918	0.187	0.906	**3**	25	**J**
Benzyl Chloride	<0.72	<0.14	<0.72	<0.14	-	-	25	
1,3-Dichlorobenzene	<0.48	<0.080	<0.48	<0.080	-	-	25	
1,4-Dichlorobenzene	<0.49	<0.082	<0.49	<0.082	-	-	25	
1,2-Dichlorobenzene	<0.47	<0.079	<0.47	<0.079	-	-	25	
d-Limonene	<0.66	<0.12	0.756	0.136	-	-	25	**J**
1,2-Dibromo-3-chloropropane	<0.60	<0.062	<0.60	<0.062	-	-	25	
1,2,4-Trichlorobenzene	<0.78	<0.11	<0.78	<0.11	-	-	25	
Naphthalene	1.48	0.283	0.984	0.188	1.232	**40**	25	**J, R1**
Hexachlorobutadiene	<0.66	<0.062	<0.66	<0.062	-	-	25	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
R1 = Duplicate precision not within the specified limits; however, the results are below the MRL and considered estimated.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.16** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-002DUP

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00045

Initial Pressure (psig): -2.51 Final Pressure (psig): 5.68
Initial Pressure 2 (psig): 3.69 Final Pressure 2 (psig): 10.35
Canister Dilution Factor: 2.28

Compound	Sample Result µg/m³	Sample Result ppbV	**Duplicate Sample Result µg/m³**	**Duplicate Sample Result** ppbV	Average µg/m³	**% RPD**	RPD Limit	**Data Qualifier**
Propene	0.787	0.457	1.07	0.620	0.9285	**30**	25	**J, R**
Dichlorodifluoromethane (CFC 12)	2.41	0.487	2.47	0.500	2.44	**2**	25	**J**
Chloromethane	<0.49	<0.24	<0.49	<0.24	-	-	25	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.48	<0.069	<0.48	<0.069	-	-	25	
Vinyl Chloride	<0.32	<0.13	<0.32	<0.13	-	-	25	
1,3-Butadiene	<0.50	<0.23	<0.50	<0.23	-	-	25	
Bromomethane	<0.42	<0.11	<0.42	<0.11	-	-	25	
Chloroethane	<0.38	<0.14	<0.38	<0.14	-	-	25	
Ethanol	23.5	12.5	22.8	12.1	23.15	**3**	25	**J**
Acetonitrile	<0.74	<0.44	<0.74	<0.44	-	-	25	**J**
Acrolein	1.57	0.684	1.46	0.637	1.515	**7**	25	**J**
Acetone	14.7	6.18	14.2	5.98	14.45	**3**	25	**J**
Trichlorofluoromethane	22.7	4.03	22.8	4.05	22.75	**0.4**	25	
2-Propanol (Isopropyl Alcohol)	2.25	0.916	1.98	0.805	2.115	**13**	25	**J**
Acrylonitrile	<0.63	<0.29	<0.63	<0.29	-	-	25	
1,1-Dichloroethene	<0.42	<0.11	<0.42	<0.11	-	-	25	
Methylene Chloride	1.29	0.371	1.27	0.364	1.28	**2**	25	**J**
3-Chloro-1-propene (Allyl Chloride)	<0.41	<0.13	<0.41	<0.13	-	-	25	
Trichlorotrifluoroethane	0.866	0.113	0.889	0.116	0.8775	**3**	25	**J**
Carbon Disulfide	2.55	0.820	2.57	0.826	2.56	**0.8**	25	**J**
trans-1,2-Dichloroethene	<0.42	<0.11	<0.42	<0.11	-	-	25	
1,1-Dichloroethane	<0.44	<0.11	<0.44	<0.11	-	-	25	
Methyl tert-Butyl Ether	<0.36	<0.10	<0.36	<0.10	-	-	25	
Vinyl Acetate	<6.8	<1.9	<6.8	<1.9	-	-	25	**J**
2-Butanone (MEK)	2.71	0.920	2.66	0.901	2.685	**2**	25	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

R = Duplicate precision not met.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-2.16** ALS Project ID: P2002314
Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-002DUP

Test Code: EPA TO-15 Date Collected: 4/22/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20
Analyst: Wida Ang Date Analyzed: 5/12/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00045

Initial Pressure (psig): -2.51 Final Pressure (psig): 5.68
Initial Pressure 2 (psig): 3.69 Final Pressure 2 (psig): 10.35
Canister Dilution Factor: 2.28

Compound	Sample Result µg/m³	Sample Result ppbV	**Duplicate Sample Result µg/m³**	**Duplicate Sample Result ppbV**	Average µg/m³	**% RPD**	RPD Limit	**Data Qualifier**
cis-1,2-Dichloroethene	<0.43	<0.11	<0.43	<0.11	-	-	25	
Ethyl Acetate	<1.6	<0.44	<1.6	<0.44	-	-	25	
n-Hexane	<0.63	<0.18	<0.63	<0.18	-	-	25	
Chloroform	13.7	2.80	13.5	2.76	13.6	**1**	25	
Tetrahydrofuran (THF)	<0.38	<0.13	<0.38	<0.13	-	-	25	
1,2-Dichloroethane	<0.34	<0.083	<0.34	<0.083	-	-	25	
1,1,1-Trichloroethane	<0.38	<0.069	<0.38	<0.069	-	-	25	
Benzene	0.581	0.182	0.530	0.166	0.5555	**9**	25	**J**
Carbon Tetrachloride	<0.42	<0.067	<0.42	<0.067	-	-	25	
Cyclohexane	<0.86	<0.25	<0.86	<0.25	-	-	25	
1,2-Dichloropropane	<0.38	<0.081	<0.38	<0.081	-	-	25	
Bromodichloromethane	<0.44	<0.066	<0.44	<0.066	-	-	25	
Trichloroethene	<0.41	<0.076	<0.41	<0.076	-	-	25	
1,4-Dioxane	<0.36	<0.10	<0.36	<0.10	-	-	25	
Methyl Methacrylate	<1.1	<0.26	<1.1	<0.26	-	-	25	
n-Heptane	6.78	1.66	6.66	1.63	6.72	**2**	25	
cis-1,3-Dichloropropene	<0.47	<0.10	<0.47	<0.10	-	-	25	
4-Methyl-2-pentanone	<0.42	<0.10	<0.42	<0.10	-	-	25	
trans-1,3-Dichloropropene	<0.63	<0.14	<0.63	<0.14	-	-	25	
1,1,2-Trichloroethane	<0.31	<0.056	<0.31	<0.056	-	-	25	
Toluene	9.36	2.48	9.23	2.45	9.295	**1**	25	
2-Hexanone	0.695	0.170	0.559	0.136	0.627	**22**	25	**J**
Dibromochloromethane	<0.40	<0.047	<0.40	<0.047	-	-	25	
1,2-Dibromoethane	<0.35	<0.046	<0.35	<0.046	-	-	25	
n-Butyl Acetate	<0.42	<0.088	<0.42	<0.088	-	-	25	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

LABORATORY DUPLICATE SUMMARY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **SG-2.16** ALS Project ID: P2002314

Client Project ID: **SDE DOV / KTE-27-20-Simi** ALS Sample ID: P2002314-002DUP

Test Code: EPA TO-15 Date Collected: 4/22/20

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 4/28/20

Analyst: Wida Ang Date Analyzed: 5/12/20

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)

Test Notes:

Container ID: 1SS00045

Initial Pressure (psig): -2.51 Final Pressure (psig): 5.68

Initial Pressure 2 (psig): 3.69 Final Pressure 2 (psig): 10.35

Canister Dilution Factor: 2.28

Compound	Sample Result µg/m³	Sample Result ppbV	**Duplicate Sample Result µg/m³**	**Duplicate Sample Result ppbV**	Average µg/m³	**% RPD**	RPD Limit	**Data Qualifier**
n-Octane	<0.68	<0.15	<0.68	<0.15	-	-	25	**J**
Tetrachloroethene	<0.39	<0.058	<0.39	<0.058	-	-	25	
Chlorobenzene	<0.40	<0.088	<0.40	<0.088	-	-	25	
Ethylbenzene	1.31	0.302	1.33	0.306	1.32	**2**	25	**J**
m,p-Xylenes	3.45	0.794	3.44	0.793	3.445	**0.3**	25	**J**
Bromoform	<0.63	<0.061	<0.63	<0.061	-	-	25	
Styrene	<0.49	<0.12	<0.49	<0.12	-	-	25	**J**
o-Xylene	1.25	0.289	1.31	0.301	1.28	**5**	25	**J**
n-Nonane	1.45	0.276	1.42	0.271	1.435	**2**	25	**J**
1,1,2,2-Tetrachloroethane	<0.42	<0.061	<0.42	<0.061	-	-	25	
Cumene	<0.44	<0.089	<0.44	<0.089	-	-	25	
alpha-Pinene	<0.47	<0.084	<0.47	<0.084	-	-	25	
n-Propylbenzene	<0.44	<0.089	<0.44	<0.089	-	-	25	**J**
4-Ethyltoluene	<0.48	<0.099	<0.48	<0.099	-	-	25	**J**
1,3,5-Trimethylbenzene	<0.44	<0.089	<0.44	<0.089	-	-	25	**J**
1,2,4-Trimethylbenzene	1.33	0.271	1.35	0.274	1.34	**1**	25	**J**
Benzyl Chloride	<0.68	<0.13	<0.68	<0.13	-	-	25	
1,3-Dichlorobenzene	<0.46	<0.076	<0.46	<0.076	-	-	25	
1,4-Dichlorobenzene	<0.47	<0.078	<0.47	<0.078	-	-	25	
1,2-Dichlorobenzene	<0.45	<0.075	<0.45	<0.075	-	-	25	
d-Limonene	1.04	0.187	0.889	0.160	0.9645	**16**	25	**J**
1,2-Dibromo-3-chloropropane	<0.57	<0.059	<0.57	<0.059	-	-	25	
1,2,4-Trichlorobenzene	<0.74	<0.10	<0.74	<0.10	-	-	25	
Naphthalene	1.28	0.245	1.19	0.226	1.235	**7**	25	**J**
Hexachlorobutadiene	<0.63	<0.059	<0.63	<0.059	-	-	25	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

Response Factor Report MS13

Method Path : I:\MS13\METHODS\
Method File : R13051120.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
Last Update : Mon May 11 18:45:35 2020
Response Via : Initial Calibration

Calibration Files
0.1 =05112010.D 0.2 =05112011.D 0.5 =05112012.D 1.0 =05112013.D 5.0 =05112014.D 25 =05112015.D 50 =05112016.D
100 =05112017.D

		Compound	0.1	0.2	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane...	----------ISTD----------									
2)	T	Propene	1.934	1.664	1.926	1.779	1.954	1.763	1.797	1.818	1.829	5.52
3)	T	Dichlorodifluo...	2.839	2.630	2.729	2.672	2.716	2.447	2.422	2.118	2.572	8.99
4)	T	Chloromethane	2.165	2.075	2.313	2.396	2.041	2.107	1.938	1.144	2.022	18.99
5)	T	1,2-Dichloro-1...	1.439	1.339	1.458	1.398	1.383	1.291	1.320	1.204	1.354	6.16
6)	T	Vinyl Chloride	2.052	1.909	2.331	2.217	2.201	2.050	2.162	1.793	2.089	8.40
7)	T	1,3-Butadiene	1.670	1.683	1.709	1.788	1.688	1.573	1.629	1.351	1.636	7.99
8)	T	Bromomethane	0.975	1.099	1.286	1.222	1.241	1.159	1.185	1.017	1.148	9.54
9)	T	Chloroethane	1.016	1.088	1.166	1.076	1.186	1.007	1.078	0.901	1.065	8.57
10)	T	Ethanol	1.472	1.371	1.355	1.479	1.095	0.954	1.038	0.875	1.205	20.05
11)	T	Acetonitrile	3.620	3.494	3.421	3.737	3.355	2.807	3.156	2.852	3.305	10.31
12)	T	Acrolein	0.769	0.827	0.975	0.992	1.005	0.865	0.944	0.875	0.907	9.43
13)	T	Acetone		1.398	1.291	1.189	1.206	0.987	1.018	0.867	1.137	16.41
14)	T	Trichlorofluor...	2.187	2.239	2.290	2.142	2.182	1.907	1.984	1.846	2.097	7.78
15)	T	2-Propanol (Is...	4.372	3.988	3.980	3.825	4.093	3.536	3.728	2.756	3.785	12.80
16)	T	Acrylonitrile	1.312	1.625	1.937	1.957	2.185	1.911	2.082	1.990	1.875	14.86
17)	T	1,1-Dichloroet...	1.117	1.083	1.272	1.220	1.289	1.184	1.234	1.199	1.200	5.94
18)	T	2-Methyl-2-Pro...	2.397	2.376	2.707	2.662	2.870	2.711	2.906	2.720	2.669	7.25
19)	T	Methylene Chlo...	1.453	1.392	1.440	1.380	1.432	1.290	1.348	1.287	1.378	4.72
20)	T	3-Chloro-1-pro...	2.608	2.481	2.750	2.609	2.665	2.691	2.474	2.301	2.572	5.65
21)	T	Trichlorotrifl...	1.186	1.118	1.169	1.117	1.143	1.107	1.097	1.084	1.128	3.15
22)	T	Carbon Disulfide		6.726	6.033	5.454	5.211	5.016	4.878	4.629	5.421	13.49
23)	T	trans-1,2-Dich...	1.682	1.760	1.926	1.873	2.034	1.997	1.956	1.861	1.886	6.30
24)	T	1,1-Dichloroet...	2.523	2.432	2.623	2.520	2.551	2.444	2.375	2.229	2.462	4.95
25)	T	Methyl tert-Bu...	2.745	2.750	3.067	3.030	3.231	3.211	3.230	3.178	3.055	6.67
26)	T	Vinyl Acetate			0.316	0.313	0.344	0.341	0.330	0.300	0.324	5.33
27)	T	2-Butanone (MEK)			0.891	0.919	1.008	0.996	0.977	0.931	0.954	4.87
28)	T	cis-1,2-Dichlo...	1.819	1.753	1.960	1.882	1.941	1.911	1.859	1.757	1.860	4.23
29)	T	Diisopropyl Ether	1.052	1.102	1.316	1.277	1.333	1.117	1.067	0.955	1.152	12.07
30)	T	Ethyl Acetate		0.421	0.527	0.518	0.571	0.541	0.507	0.444	0.504	10.56
31)	T	n-Hexane	2.535	2.480	2.659	2.517	2.632	2.428	2.259	1.968	2.435	9.27
32)	T	Chloroform	2.217	2.152	2.342	2.181	2.220	2.141	2.097	2.002	2.169	4.58
33)	S	1,2-Dichloroet...	1.589	1.579	1.570	1.573	1.580	1.550	1.544	1.515	1.562	1.56
34)	T	Tetrahydrofura...	0.840	0.853	0.958	0.915	0.962	0.931	0.916	0.877	0.907	5.04
35)	T	Ethyl tert-But...	0.964	1.047	1.280	1.234	1.283	1.265	1.235	1.180	1.186	9.97
36)	T	1,2-Dichloroet...	1.750	1.622	1.687	1.630	1.674	1.614	1.562	1.475	1.627	5.12
37)	IR	1,4-Difluorobenzen...	----------ISTD----------									
38)	T	1,1,1-Trichlor...	0.406	0.395	0.419	0.398	0.412	0.406	0.395	0.376	0.401	3.29
39)	T	Isopropyl Acetate	0.163	0.175	0.201	0.197	0.216	0.210	0.199	0.178	0.192	9.45
40)	T	1-Butanol			0.228	0.251	0.307	0.339	0.326	0.290	0.290	14.82
41)	T	Benzene	1.387	1.280	1.340	1.256	1.269	1.224	1.172	1.035	1.245	8.62
42)	T	Carbon Tetrach...	0.361	0.356	0.383	0.361	0.369	0.372	0.361	0.346	0.364	3.05

WA 5/12/20

Method Path : I:\MS13\METHODS\
Method File : R13051120.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

43)	T	Cyclohexane	0.460	0.445	0.492	0.472	0.481	0.469	0.448	0.407	0.459	5.74
44)	T	tert-Amyl Meth...	0.672	0.654	0.720	0.681	0.709	0.707	0.680	0.631	0.682	4.38
45)	T	1,2-Dichloropr...	0.323	0.323	0.338	0.321	0.326	0.320	0.308	0.289	0.319	4.58
46)	T	Bromodichlorom...	0.351	0.353	0.393	0.359	0.381	0.380	0.370	0.352	0.367	4.33
47)	T	Trichloroethene	0.321	0.279	0.300	0.289	0.307	0.308	0.304	0.295	0.300	4.25
48)	T	1,4-Dioxane	0.193	0.193	0.232	0.230	0.250	0.251	0.248	0.238	0.229	10.33
49)	T	2,2,4-Trimethy...	1.341	1.256	1.423	1.307	1.313	1.271	1.209	1.088	1.276	7.74
50)	T	Methyl Methacr...			0.098	0.109	0.122	0.124	0.122	0.116	0.115	8.67
51)	T	n-Heptane	0.279	0.295	0.337	0.320	0.328	0.321	0.311	0.289	0.310	6.57
52)	T	cis-1,3-Dichlo...	0.355	0.410	0.450	0.452	0.500	0.513	0.501	0.470	0.456	11.62
53)	T	4-Methyl-2-pen...			0.256	0.274	0.311	0.315	0.304	0.282	0.290	8.06
54)	T	trans-1,3-Dich...		0.289	0.371	0.380	0.439	0.457	0.445	0.420	0.400	14.68
55)	T	1,1,2-Trichlor...	0.265	0.252	0.285	0.274	0.282	0.279	0.274	0.262	0.272	4.10
56)	IR	Chlorobenzene-d5 (...	----------ISTD----------									
57)	S	Toluene-d8 (SS2)	2.431	2.448	2.424	2.418	2.423	2.421	2.401	2.390	2.420	0.73
58)	T	Toluene	2.687	2.552	2.639	2.501	2.555	2.473	2.386	2.178	2.496	6.38
59)	T	2-Hexanone		1.024	1.253	1.357	1.566	1.567	1.497	1.355	1.374	14.15
60)	T	Dibromochlorom...	0.571	0.583	0.615	0.595	0.650	0.660	0.653	0.629	0.620	5.49
61)	T	1,2-Dibromoethane	0.506	0.521	0.597	0.587	0.638	0.639	0.629	0.600	0.589	8.66
62)	T	n-Butyl Acetate			1.257	1.413	1.711	1.736	1.672	1.507	1.549	12.30
63)	T	n-Octane	0.494	0.547	0.599	0.592	0.618	0.591	0.568	0.513	0.565	7.77
64)	T	Tetrachloroethene	0.683	0.667	0.714	0.676	0.678	0.682	0.675	0.663	0.680	2.28
65)	T	Chlorobenzene	1.797	1.676	1.706	1.602	1.634	1.604	1.560	1.452	1.629	6.30
66)	T	Ethylbenzene	2.656	2.580	2.715	2.645	2.818	2.774	2.663	2.395	2.656	4.89
67)	T	m- & p-Xylenes	2.070	2.027	2.190	2.123	2.158	2.131	2.048	1.820	2.071	5.59
68)	T	Bromoform	0.381	0.401	0.466	0.474	0.525	0.561	0.572	0.562	0.493	15.11
69)	T	Styrene	1.159	1.301	1.520	1.541	1.701	1.735	1.699	1.579	1.529	13.36
70)	T	o-Xylene	2.025	2.009	2.241	2.125	2.202	2.178	2.109	1.913	2.100	5.27
71)	T	n-Nonane	1.196	1.237	1.443	1.428	1.497	1.427	1.334	1.134	1.337	9.96
72)	T	1,1,2,2-Tetrac...	0.971	1.007	1.082	1.034	1.074	1.065	1.034	0.952	1.027	4.64
73)	S	Bromofluoroben...	0.663	0.662	0.668	0.671	0.682	0.689	0.684	0.705	0.678	2.17
74)	T	Cumene	2.690	2.657	2.752	2.663	2.794	2.721	2.608	2.332	2.652	5.35
75)	T	alpha-Pinene	1.273	1.283	1.368	1.353	1.486	1.441	1.390	1.250	1.356	6.15
76)	T	n-Propylbenzene	3.030	3.015	3.340	3.281	3.423	3.330	3.167	2.754	3.167	7.04
77)	T	3-Ethyltoluene	2.324	2.363	2.574	2.549	2.728	2.678	2.704	2.317	2.530	6.84
78)	T	4-Ethyltoluene	2.430	2.360	2.747	2.624	2.688	2.727	2.490	2.325	2.549	6.63
79)	T	1,3,5-Trimethy...	2.094	2.133	2.310	2.219	2.234	2.288	2.208	2.018	2.188	4.54
80)	T	alpha-Methylst...	0.884	0.932	1.089	1.103	1.211	1.212	1.190	1.112	1.092	11.35
81)	T	2-Ethyltoluene	2.439	2.484	2.727	2.607	2.678	2.684	2.575	2.313	2.563	5.55
82)	T	1,2,4-Trimethy...	1.741	1.872	2.169	2.134	2.230	2.334	2.222	1.916	2.077	10.02
83)	T	n-Decane	0.967	0.997	1.299	1.275	1.314	1.429	1.336	1.147	1.221	13.64
84)	T	Benzyl Chloride	1.345	1.394	1.661	1.650	1.863	2.097	2.056	1.873	1.743	16.09
85)	T	1,3-Dichlorobe...	1.289	1.242	1.277	1.217	1.279	1.376	1.359	1.293	1.292	4.14
86)	T	1,4-Dichlorobe...	1.385	1.253	1.276	1.225	1.273	1.370	1.365	1.305	1.307	4.60
87)	T	sec-Butylbenzene	2.837	2.895	3.087	2.993	3.127	3.118	2.956	2.607	2.953	5.92
88)	T	4-Isopropyltol...	2.283	2.334	2.685	2.618	2.786	2.842	2.647	2.168	2.545	9.81
89)	T	1,2,3-Trimethy...	1.820	1.891	2.238	2.129	2.213	2.362	2.250	1.924	2.103	9.45
90)	T	1,2-Dichlorobe...	1.167	1.177	1.245	1.169	1.231	1.323	1.306	1.190	1.226	5.02
91)	T	d-Limonene	0.683	0.769	0.886	0.920	1.000	0.981	0.925	0.781	0.868	12.92
92)	T	1,2-Dibromo-3-...	0.296	0.345	0.366	0.379	0.430	0.488	0.491	0.481	0.409	18.08
93)	T	n-Undecane			0.651	0.687	0.787	1.448	1.371	1.163	1.018	34.82
94)	T	1,2,4-Trichlor...			0.609	0.618	0.688	0.971	0.990	0.964	0.807	23.14

Method Path : I:\MS13\METHODS\
Method File : R13051120.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

95)	T	Naphthalene			1.586	1.670	1.923	3.051	3.020	2.665	2.319	29.00
96)	T	n-Dodecane		0.148	0.135	0.156	0.215	1.266	1.210	1.006	0.591	91.30
97)	T	Hexachlorobuta...	0.552	0.562	0.571	0.537	0.566	0.615	0.633	0.635	0.584	6.53
98)	T	Cyclohexanone	0.711	0.765	0.839	0.868	0.978	1.001	0.979	0.901	0.880	12.00
99)	T	tert-Butylbenzene	1.980	2.075	2.230	2.151	2.253	2.254	2.120	1.813	2.110	7.24
100)	T	n-Butylbenzene	1.874	1.941	2.312	2.285	2.438	2.524	2.401	2.100	2.234	10.64

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\11\05112015.D Vial: 12
Acq On : 11 May 2020 17:14 Operator: WA
Sample : CCV R13051120 25ng ICAL Std Inst : MS13
Misc : S34-05112003/S34-04202002 (5/19)

Quant Time: May 12 09:06:46 2020
Quant Method : I:\MS13\METHODS\R13051120.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Tue May 12 06:07:00 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

WA 5/12/20

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	100	0.00
2	T	Propene	1.829	1.763	3.6	100	0.00
3	T	Dichlorodifluoromethane (CF	2.572	2.447	4.9	100	0.00
4	T	Chloromethane	2.022	2.107	-4.2	100	0.00
5	T	1,2-Dichloro-1,1,2,2-tetraf	1.354	1.291	4.7	100	0.00
6	T	Vinyl Chloride	2.089	2.050	1.9	100	0.00
7	T	1,3-Butadiene	1.636	1.573	3.9	100	0.00
8	T	Bromomethane	1.148	1.159	-1.0	100	0.00
9	T	Chloroethane	1.065	1.007	5.4	100	0.00
10	T	Ethanol	1.205	0.954	20.8	100	0.00
11	T	Acetonitrile	3.305	2.807	15.1	100	0.00
12	T	Acrolein	0.907	0.865	4.6	100	0.00
13	T	Acetone	1.137	0.987	13.2	100	0.00
14	T	Trichlorofluoromethane	2.097	1.907	9.1	100	0.00
15	T	2-Propanol (Isopropanol)	3.785	3.536	6.6	100	0.00
16	T	Acrylonitrile	1.875	1.911	-1.9	100	0.00
17	T	1,1-Dichloroethene	1.200	1.184	1.3	100	0.00
18	T	2-Methyl-2-Propanol (tert-B	2.669	2.711	-1.6	100	0.00
19	T	Methylene Chloride	1.378	1.290	6.4	100	0.00
20	T	3-Chloro-1-propene (Allyl C	2.572	2.691	-4.6	100	0.00
21	T	Trichlorotrifluoroethane	1.128	1.107	1.9	100	0.00
22	T	Carbon Disulfide	5.421	5.016	7.5	100	0.00
23	T	trans-1,2-Dichloroethene	1.886	1.997	-5.9	100	0.00
24	T	1,1-Dichloroethane	2.462	2.444	0.7	100	0.00
25	T	Methyl tert-Butyl Ether	3.055	3.211	-5.1	100	0.00
26	T	Vinyl Acetate	0.324	0.341	-5.2	100	0.00
27	T	2-Butanone (MEK)	0.954	0.996	-4.4	100	0.00
28	T	cis-1,2-Dichloroethene	1.860	1.911	-2.7	100	0.00
29	T	Diisopropyl Ether	1.152	1.117	3.0	100	0.00
30	T	Ethyl Acetate	0.504	0.541	-7.3	100	0.00
31	T	n-Hexane	2.435	2.428	0.3	100	0.00
32	T	Chloroform	2.169	2.141	1.3	100	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.562	1.550	0.8	100	0.00
34	T	Tetrahydrofuran (THF)	0.907	0.931	-2.6	100	0.00
35	T	Ethyl tert-Butyl Ether	1.186	1.265	-6.7	100	0.00
36	T	1,2-Dichloroethane	1.627	1.614	0.8	100	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	100	0.00
38	T	1,1,1-Trichloroethane	0.401	0.406	-1.2	100	0.00
39	T	Isopropyl Acetate	0.192	0.210	-9.4	100	0.00
40	T	1-Butanol	0.290	0.339	-16.9	100	0.00
41	T	Benzene	1.245	1.224	1.7	100	0.00
42	T	Carbon Tetrachloride	0.364	0.372	-2.2	100	0.00
43	T	Cyclohexane	0.459	0.469	-2.2	100	0.00
44	T	tert-Amyl Methyl Ether	0.682	0.707	-3.7	100	0.00
45	T	1,2-Dichloropropane	0.319	0.320	-0.3	100	0.00
46	T	Bromodichloromethane	0.367	0.380	-3.5	100	0.00
47	T	Trichloroethene	0.300	0.308	-2.7	100	0.00
48	T	1,4-Dioxane	0.229	0.251	-9.6	100	0.00
49	T	2,2,4-Trimethylpentane (Iso	1.276	1.271	0.4	100	0.00
50	T	Methyl Methacrylate	0.115	0.124	-7.8	100	0.00
51	T	n-Heptane	0.310	0.321	-3.5	100	0.00
52	T	cis-1,3-Dichloropropene	0.456	0.513	-12.5	100	0.00
53	T	4-Methyl-2-pentanone	0.290	0.315	-8.6	100	0.00
54	T	trans-1,3-Dichloropropene	0.400	0.457	-14.2	100	0.00
55	T	1,1,2-Trichloroethane	0.272	0.279	-2.6	100	0.00

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\11\05112015.D Vial: 12
Acq On : 11 May 2020 17:14 Operator: WA
Sample : CCV R13051120 25ng ICAL Std Inst : MS13
Misc : S34-05112003/S34-04202002 (5/19)

Quant Time: May 12 09:06:46 2020
Quant Method : I:\MS13\METHODS\R13051120.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Tue May 12 06:07:00 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	100	0.00
57	S	Toluene-d8 (SS2)	2.420	2.421	-0.0	100	0.00
58	T	Toluene	2.496	2.473	0.9	100	0.00
59	T	2-Hexanone	1.374	1.567	-14.0	100	0.00
60	T	Dibromochloromethane	0.620	0.660	-6.5	100	0.00
61	T	1,2-Dibromoethane	0.589	0.639	-8.5	100	0.00
62	T	n-Butyl Acetate	1.549	1.736	-12.1	100	0.00
63	T	n-Octane	0.565	0.591	-4.6	100	0.00
64	T	Tetrachloroethene	0.680	0.682	-0.3	100	0.00
65	T	Chlorobenzene	1.629	1.604	1.5	100	0.00
66	T	Ethylbenzene	2.656	2.774	-4.4	100	0.00
67	T	m- & p-Xylenes	2.071	2.131	-2.9	100	0.00
68	T	Bromoform	0.493	0.561	-13.8	100	0.00
69	T	Styrene	1.529	1.735	-13.5	100	0.00
70	T	o-Xylene	2.100	2.178	-3.7	100	0.00
71	T	n-Nonane	1.337	1.427	-6.7	100	0.00
72	T	1,1,2,2-Tetrachloroethane	1.027	1.065	-3.7	100	0.00
73	S	Bromofluorobenzene (SS3)	0.678	0.689	-1.6	100	0.00
74	T	Cumene	2.652	2.721	-2.6	100	0.00
75	T	alpha-Pinene	1.356	1.441	-6.3	100	0.00
76	T	n-Propylbenzene	3.167	3.330	-5.1	100	0.00
77	T	3-Ethyltoluene	2.530	2.678	-5.8	100	0.00
78	T	4-Ethyltoluene	2.549	2.727	-7.0	100	0.00
79	T	1,3,5-Trimethylbenzene	2.188	2.288	-4.6	100	0.00
80	T	alpha-Methylstyrene	1.092	1.212	-11.0	100	0.00
81	T	2-Ethyltoluene	2.563	2.684	-4.7	100	0.00
82	T	1,2,4-Trimethylbenzene	2.077	2.334	-12.4	100	0.00
83	T	n-Decane	1.221	1.429	-17.0	100	0.00
84	T	Benzyl Chloride	1.743	2.097	-20.3	100	0.00
85	T	1,3-Dichlorobenzene	1.292	1.376	-6.5	100	0.00
86	T	1,4-Dichlorobenzene	1.307	1.370	-4.8	100	0.00
87	T	sec-Butylbenzene	2.953	3.118	-5.6	100	0.00
88	T	4-Isopropyltoluene (p-Cymen	2.545	2.842	-11.7	100	0.00
89	T	1,2,3-Trimethylbenzene	2.103	2.362	-12.3	100	0.00
90	T	1,2-Dichlorobenzene	1.226	1.323	-7.9	100	0.00
91	T	d-Limonene	0.868	0.981	-13.0	100	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.409	0.488	-19.3	100	0.00
93	T	n-Undecane	1.018	1.448	-42.2#	100	0.00
94	T	1,2,4-Trichlorobenzene	0.807	0.971	-20.3	100	0.00
95	T	Naphthalene	2.319	3.051	-31.6#	100	0.00
96	T	n-Dodecane	0.591	1.266	-114.2#	100	0.00
97	T	Hexachlorobutadiene	0.584	0.615	-5.3	100	0.00
98	T	Cyclohexanone	0.880	1.001	-13.7	100	0.00
99	T	tert-Butylbenzene	2.110	2.254	-6.8	100	0.00
100	T	n-Butylbenzene	2.234	2.524	-13.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\12\05122001.D Vial: 1
Acq On : 12 May 2020 5:23 Operator: WA
Sample : CCV R13051220 25ng Inst : MS13
Misc : S34-03262001 /S34-04242001 (5/23)

Quant Time: May 12 05:53:17 2020
Quant Method : I:\MS13\METHODS\R13051120.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Mon May 11 18:45:35 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

WA 5/12/20

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	121	0.00
2	T	Propene	1.829	1.547	15.4	106	0.00
3	T	Dichlorodifluoromethane (CF	2.572	2.165	15.8	107	0.00
4	T	Chloromethane	2.022	2.120	-4.8	122	0.00
5	T	1,2-Dichloro-1,1,2,2-tetraf	1.354	1.169	13.7	110	0.00
6	T	Vinyl Chloride	2.089	1.883	9.9	111	0.00
7	T	1,3-Butadiene	1.636	1.593	2.6	123	0.00
8	T	Bromomethane	1.148	1.055	8.1	110	0.00
9	T	Chloroethane	1.065	0.938	11.9	113	0.00
10	T	Ethanol	1.205	0.834	30.8#	106	0.00
11	T	Acetonitrile	3.305	2.608	21.1	113	0.00
12	T	Acrolein	0.907	0.834	8.0	117	0.00
13	T	Acetone	1.137	0.938	17.5	115	0.00
14	T	Trichlorofluoromethane	2.097	1.723	17.8	109	0.00
15	T	2-Propanol (Isopropanol)	3.785	3.345	11.6	115	0.00
16	T	Acrylonitrile	1.875	1.787	4.7	113	0.00
17	T	1,1-Dichloroethene	1.200	1.103	8.1	113	0.00
18	T	2-Methyl-2-Propanol (tert-B	2.669	2.647	0.8	118	0.00
19	T	Methylene Chloride	1.378	1.193	13.4	112	0.00
20	T	3-Chloro-1-propene (Allyl C	2.572	2.103	18.2	95	0.00
21	T	Trichlorotrifluoroethane	1.128	0.989	12.3	108	0.00
22	T	Carbon Disulfide	5.421	4.359	19.6	105	0.00
23	T	trans-1,2-Dichloroethene	1.886	1.721	8.7	104	0.00
24	T	1,1-Dichloroethane	2.462	2.122	13.8	105	0.00
25	T	Methyl tert-Butyl Ether	3.055	2.984	2.3	113	0.00
26	T	Vinyl Acetate	0.324	0.278	14.2	99	0.00
27	T	2-Butanone (MEK)	0.954	0.910	4.6	111	0.00
28	T	cis-1,2-Dichloroethene	1.860	1.934	-4.0	123	0.00
29	T	Diisopropyl Ether	1.152	1.128	2.1	122	0.00
30	T	Ethyl Acetate	0.504	0.576	-14.3	129	0.00
31	T	n-Hexane	2.435	2.490	-2.3	124	0.00
32	T	Chloroform	2.169	2.125	2.0	120	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.562	1.576	-0.9	123	0.00
34	T	Tetrahydrofuran (THF)	0.907	0.925	-2.0	120	0.00
35	T	Ethyl tert-Butyl Ether	1.186	1.272	-7.3	122	0.00
36	T	1,2-Dichloroethane	1.627	1.593	2.1	120	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	122	0.00
38	T	1,1,1-Trichloroethane	0.401	0.394	1.7	118	0.00
39	T	Isopropyl Acetate	0.192	0.214	-11.5	124	0.00
40	T	1-Butanol	0.290	0.232	20.0	84	0.00
41	T	Benzene	1.245	1.210	2.8	120	0.00
42	T	Carbon Tetrachloride	0.364	0.339	6.9	111	0.00
43	T	Cyclohexane	0.459	0.459	0.0	119	0.00
44	T	tert-Amyl Methyl Ether	0.682	0.713	-4.5	123	0.00
45	T	1,2-Dichloropropane	0.319	0.316	0.9	120	0.00
46	T	Bromodichloromethane	0.367	0.364	0.8	117	0.00
47	T	Trichloroethene	0.300	0.290	3.3	115	0.00
48	T	1,4-Dioxane	0.229	0.238	-3.9	116	0.00
49	T	2,2,4-Trimethylpentane (Iso	1.276	1.287	-0.9	123	0.00
50	T	Methyl Methacrylate	0.115	0.118	-2.6	116	0.00
51	T	n-Heptane	0.310	0.309	0.3	117	0.00
52	T	cis-1,3-Dichloropropene	0.456	0.462	-1.3	110	0.00
53	T	4-Methyl-2-pentanone	0.290	0.284	2.1	110	0.00
54	T	trans-1,3-Dichloropropene	0.400	0.404	-1.0	108	0.00
55	T	1,1,2-Trichloroethane	0.272	0.251	7.7	110	0.00

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\12\05122001.D Vial: 1
Acq On : 12 May 2020 5:23 Operator: WA
Sample : CCV R13051220 25ng Inst : MS13
Misc : S34-03262001 /S34-04242001 (5/23)

Quant Time: May 12 05:53:17 2020
Quant Method : I:\MS13\METHODS\R13051120.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Mon May 11 18:45:35 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	114	0.00
57	S	Toluene-d8 (SS2)	2.420	2.393	1.1	113	0.00
58	T	Toluene	2.496	2.381	4.6	110	0.00
59	T	2-Hexanone	1.374	1.494	-8.7	109	0.00
60	T	Dibromochloromethane	0.620	0.625	-0.8	108	0.00
61	T	1,2-Dibromoethane	0.589	0.612	-3.9	109	0.00
62	T	n-Butyl Acetate	1.549	1.970	-27.2	129	0.00
63	T	n-Octane	0.565	0.567	-0.4	110	0.00
64	T	Tetrachloroethene	0.680	0.652	4.1	109	0.00
65	T	Chlorobenzene	1.629	1.544	5.2	110	0.00
66	T	Ethylbenzene	2.656	2.673	-0.6	110	0.00
67	T	m- & p-Xylenes	2.071	2.046	1.2	110	0.00
68	T	Bromoform	0.493	0.540	-9.5	110	0.00
69	T	Styrene	1.529	1.689	-10.5	111	0.00
70	T	o-Xylene	2.100	2.101	-0.0	110	0.00
71	T	n-Nonane	1.337	1.370	-2.5	110	0.00
72	T	1,1,2,2-Tetrachloroethane	1.027	1.019	0.8	109	0.00
73	S	Bromofluorobenzene (SS3)	0.678	0.700	-3.2	116	0.00
74	T	Cumene	2.652	2.626	1.0	110	0.00
75	T	alpha-Pinene	1.356	1.403	-3.5	111	0.00
76	T	n-Propylbenzene	3.167	3.197	-0.9	110	0.00
77	T	3-Ethyltoluene	2.530	2.582	-2.1	110	0.00
78	T	4-Ethyltoluene	2.549	2.609	-2.4	109	0.00
79	T	1,3,5-Trimethylbenzene	2.188	2.192	-0.2	109	0.00
80	T	alpha-Methylstyrene	1.092	1.231	-12.7	116	0.00
81	T	2-Ethyltoluene	2.563	2.558	0.2	109	0.00
82	T	1,2,4-Trimethylbenzene	2.077	2.215	-6.6	108	0.00
83	T	n-Decane	1.221	1.371	-12.3	110	0.00
84	T	Benzyl Chloride	1.743	1.847	-6.0	101	0.00
85	T	1,3-Dichlorobenzene	1.292	1.313	-1.6	109	0.00
86	T	1,4-Dichlorobenzene	1.307	1.312	-0.4	109	0.00
87	T	sec-Butylbenzene	2.953	2.945	0.3	108	0.00
88	T	4-Isopropyltoluene (p-Cymen	2.545	2.683	-5.4	108	0.00
89	T	1,2,3-Trimethylbenzene	2.103	2.234	-6.2	108	0.00
90	T	1,2-Dichlorobenzene	1.226	1.253	-2.2	108	0.00
91	T	d-Limonene	0.868	0.972	-12.0	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.409	0.428	-4.6	100	0.00
93	T	n-Undecane	1.018	1.397	-37.2#	110	0.00
94	T	1,2,4-Trichlorobenzene	0.807	0.901	-11.6	106	0.00
95	T	Naphthalene	2.319	2.858	-23.2	107	0.00
96	T	n-Dodecane	0.591	1.270	-114.9#	115	0.00
97	T	Hexachlorobutadiene	0.584	0.565	3.3	105	0.00
98	T	Cyclohexanone	0.880	0.906	-3.0	103	0.00
99	T	tert-Butylbenzene	2.110	2.134	-1.1	108	0.00
100	T	n-Butylbenzene	2.234	2.382	-6.6	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
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www.alsglobal.com

LABORATORY REPORT

May 20, 2020

Eyal Shvartz
Dr. Katz Technologies & Enterprises (KTE)
HaMeginim Ave. 53
Haifa, ISR-HA 33265

RE: SDE DOV / KTE-34-20-Simi

Dear Eyal:

Enclosed are the results of the samples submitted to our laboratory on May 8, 2020. For your reference, these analyses have been assigned our service request number P2002527.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 6:35 pm, May 20, 2020

Sue Anderson
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: Dr. Katz Technologies & Enterprises (KTE) Service Request No: P2002527
Project: SDE DOV / KTE-34-20-Simi

CASE NARRATIVE

The samples were received intact under chain of custody on May 8, 2020 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.1 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

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Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-007
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Dr. Katz Technologies & Enterprises (KTE) Service Request: P2002527

Project ID: SDE DOV / KTE-34-20-Simi

Date Received: 5/8/2020

Time Received: 09:30

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	TO-15 - VOC Cans
SG-14-15	P2002527-001	Air	5/5/2020	09:40	1SS00518	-1.04	5.34	X
SG-14-18	P2002527-002	Air	5/5/2020	10:15	1SS00932	-1.00	5.46	X
SG-11-21	P2002527-003	Air	5/5/2020	10:40	1SS00996	-2.65	5.42	X

Air - Chain of Custody Record & Analytical Service Request

2656 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No. P2002527

ALS Contact:

Company Name & Address (Reporting Information): KTE

Project Name: SDE Dov

Project Number: 1-39-20-Simi

Project Manager:

P.O. # / Billing Information:

Phone:

Fax:

Email Address for Result Reporting:

Sampler (Print & Sign):

Analysis Method

Comments e.g. Actual Preservative or specific instructions

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	TO-15		
SG-[illegible]-15	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	1L	✓		
SG-[illegible]-15	2	[illegible]	[illegible]	[illegible]	[illegible]	29	3	1L	✓		
SG-[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	29	3	1L	✓		
[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]				

Report Tier Levels - please select

Tier I (Results) (Default if not specified) ____ Tier III (Results + QC & Calibration Summaries) X
Tier II (Results + QC Summaries) ____ Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: _____ Units: _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[illegible]					
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	5-8-20	1930

Cooler / Blank Temperature ____ °C

ALS Environmental
Sample Acceptance Check Form

Client: Dr. Katz Technologies & Enterprises (KTE) Work order: P2002527

Project: SDE DOV / KTE-34-20-Simi

Sample(s) received on: 5/8/20 Date opened: 5/8/20 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2002527-001.01	1.0 L Source Silonite Canister					
P2002527-002.01	1.0 L Source Silonite Canister					
P2002527-003.01	1.0 L Source Silonite Canister					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14-15** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-001

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00518

Initial Pressure (psig): -1.04 Final Pressure (psig): 5.34

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.48	1.9	0.48	<0.28	1.1	0.28	
75-71-8	Dichlorodifluoromethane (CFC 12)	**12**	1.9	0.32	**2.5**	0.39	0.065	
74-87-3	Chloromethane	<0.32	1.9	0.32	<0.15	0.94	0.15	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.31	1.9	0.31	<0.044	0.28	0.044	
75-01-4	Vinyl Chloride	<0.21	2.0	0.21	<0.082	0.78	0.082	
106-99-0	1,3-Butadiene	<0.32	1.9	0.32	<0.15	0.88	0.15	
74-83-9	Bromomethane	<0.27	2.0	0.27	<0.070	0.51	0.070	
75-00-3	Chloroethane	<0.24	2.0	0.24	<0.092	0.75	0.092	
64-17-5	Ethanol	**470**	19	1.4	**250**	10	0.72	
75-05-8	Acetonitrile	<0.48	1.9	0.48	<0.28	1.2	0.28	
107-02-8	Acrolein	<0.55	3.7	0.55	<0.24	1.6	0.24	
67-64-1	Acetone	**9.1**	19	4.4	**3.8**	8.2	1.9	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**300**	1.9	0.30	**53**	0.35	0.053	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.81	7.7	0.81	<0.33	3.1	0.33	
107-13-1	Acrylonitrile	<0.40	1.9	0.40	<0.19	0.90	0.19	
75-35-4	1,1-Dichloroethene	<0.27	2.0	0.27	<0.069	0.50	0.069	
75-09-2	Methylene Chloride	**1.1**	1.9	0.55	**0.33**	0.56	0.16	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.26	2.0	0.26	<0.085	0.63	0.085	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.87**	2.0	0.28	**0.11**	0.26	0.036	**J**
75-15-0	Carbon Disulfide	**1.6**	4.0	0.59	**0.52**	1.3	0.19	**J**
156-60-5	trans-1,2-Dichloroethene	<0.27	2.0	0.27	<0.069	0.50	0.069	
75-34-3	1,1-Dichloroethane	<0.29	2.0	0.29	<0.071	0.50	0.071	
1634-04-4	Methyl tert-Butyl Ether	**1.0**	2.0	0.23	**0.28**	0.55	0.064	**J**
108-05-4	Vinyl Acetate	<4.4	20	4.4	<1.3	5.6	1.3	
78-93-3	2-Butanone (MEK)	**0.83**	4.0	0.40	**0.28**	1.4	0.14	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14-15** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-001

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00518

Initial Pressure (psig): -1.04 Final Pressure (psig): 5.34

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.28	1.9	0.28	<0.070	0.49	0.070	
141-78-6	Ethyl Acetate	<1.0	4.0	1.0	<0.29	1.1	0.29	
110-54-3	n-Hexane	<0.40	2.0	0.40	<0.11	0.56	0.11	
67-66-3	Chloroform	**26**	2.0	0.26	**5.4**	0.41	0.053	
109-99-9	Tetrahydrofuran (THF)	<0.25	2.0	0.25	<0.084	0.69	0.084	
107-06-2	1,2-Dichloroethane	<0.22	2.0	0.22	<0.054	0.49	0.054	
71-55-6	1,1,1-Trichloroethane	**0.24**	2.0	0.24	**0.044**	0.36	0.044	**J**
71-43-2	Benzene	<0.28	1.9	0.28	<0.089	0.61	0.089	
56-23-5	Carbon Tetrachloride	<0.27	1.9	0.27	<0.043	0.31	0.043	
110-82-7	Cyclohexane	<0.55	4.0	0.55	<0.16	1.2	0.16	
78-87-5	1,2-Dichloropropane	<0.24	2.0	0.24	<0.053	0.43	0.053	
75-27-4	Bromodichloromethane	<0.28	2.0	0.28	<0.042	0.30	0.042	
79-01-6	Trichloroethene	<0.26	2.0	0.26	<0.049	0.37	0.049	
123-91-1	1,4-Dioxane	<0.23	2.0	0.23	<0.064	0.55	0.064	
80-62-6	Methyl Methacrylate	<0.70	4.0	0.70	<0.17	0.99	0.17	
142-82-5	n-Heptane	**0.67**	2.0	0.31	**0.16**	0.48	0.076	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.31	1.9	0.31	<0.067	0.42	0.067	
108-10-1	4-Methyl-2-pentanone	<0.27	1.9	0.27	<0.065	0.48	0.065	
10061-02-6	trans-1,3-Dichloropropene	<0.40	1.9	0.40	<0.089	0.43	0.089	
79-00-5	1,1,2-Trichloroethane	<0.20	2.0	0.20	<0.036	0.36	0.036	
108-88-3	Toluene	**7.1**	2.0	0.24	**1.9**	0.53	0.063	
591-78-6	2-Hexanone	<0.24	2.0	0.24	<0.059	0.48	0.059	
124-48-1	Dibromochloromethane	<0.26	2.0	0.26	<0.030	0.23	0.030	
106-93-4	1,2-Dibromoethane	<0.23	2.0	0.23	<0.030	0.26	0.030	
123-86-4	n-Butyl Acetate	**0.45**	2.0	0.27	**0.094**	0.43	0.056	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14-15** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-001

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00518

Initial Pressure (psig): -1.04 Final Pressure (psig): 5.34

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.47**	2.0	0.44	**0.10**	0.42	0.094	**J**
127-18-4	Tetrachloroethene	**0.27**	1.9	0.25	**0.040**	0.28	0.037	**J**
108-90-7	Chlorobenzene	<0.26	2.0	0.26	<0.057	0.43	0.057	
100-41-4	Ethylbenzene	**1.3**	2.0	0.28	**0.30**	0.46	0.063	**J**
179601-23-1	m,p-Xylenes	**4.3**	4.0	0.51	**0.98**	0.93	0.12	
75-25-2	Bromoform	<0.40	2.0	0.40	<0.039	0.19	0.039	
100-42-5	Styrene	**1.2**	1.9	0.32	**0.28**	0.46	0.074	**J**
95-47-6	o-Xylene	**1.3**	2.0	0.28	**0.29**	0.46	0.065	**J**
111-84-2	n-Nonane	**0.51**	2.0	0.33	**0.098**	0.38	0.062	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.27	2.0	0.27	<0.040	0.29	0.040	
98-82-8	Cumene	<0.28	2.0	0.28	<0.058	0.40	0.058	
80-56-8	alpha-Pinene	<0.30	2.0	0.30	<0.054	0.36	0.054	
103-65-1	n-Propylbenzene	**0.29**	2.0	0.28	**0.060**	0.40	0.058	**J**
622-96-8	4-Ethyltoluene	**0.47**	2.0	0.31	**0.096**	0.40	0.064	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.48**	1.9	0.28	**0.098**	0.40	0.058	**J**
95-63-6	1,2,4-Trimethylbenzene	**2.0**	2.0	0.27	**0.40**	0.40	0.055	
100-44-7	Benzyl Chloride	<0.44	4.0	0.44	<0.085	0.78	0.085	
541-73-1	1,3-Dichlorobenzene	<0.29	2.0	0.29	<0.049	0.33	0.049	
106-46-7	1,4-Dichlorobenzene	<0.30	2.0	0.30	<0.050	0.33	0.050	
95-50-1	1,2-Dichlorobenzene	<0.29	2.0	0.29	<0.048	0.33	0.048	
5989-27-5	d-Limonene	**1.1**	2.0	0.40	**0.20**	0.36	0.073	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.37	1.9	0.37	<0.038	0.20	0.038	
120-82-1	1,2,4-Trichlorobenzene	<0.48	2.0	0.48	<0.064	0.27	0.064	
91-20-3	Naphthalene	<0.48	1.9	0.48	<0.091	0.36	0.091	
87-68-3	Hexachlorobutadiene	<0.40	1.9	0.40	<0.038	0.18	0.038	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14-18** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-002

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00932

Initial Pressure (psig): -1.00 Final Pressure (psig): 5.46

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.48	1.9	0.48	<0.28	1.1	0.28	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.1**	1.9	0.32	**0.43**	0.39	0.065	
74-87-3	Chloromethane	<0.32	1.9	0.32	<0.15	0.94	0.15	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.31	1.9	0.31	<0.044	0.28	0.044	
75-01-4	Vinyl Chloride	<0.21	2.0	0.21	<0.082	0.78	0.082	
106-99-0	1,3-Butadiene	<0.32	1.9	0.32	<0.15	0.88	0.15	
74-83-9	Bromomethane	<0.27	2.0	0.27	<0.070	0.51	0.070	
75-00-3	Chloroethane	<0.24	2.0	0.24	<0.092	0.75	0.092	
64-17-5	Ethanol	**330**	19	1.4	**180**	10	0.72	
75-05-8	Acetonitrile	**0.48**	1.9	0.48	**0.28**	1.2	0.28	**J**
107-02-8	Acrolein	<0.55	3.7	0.55	<0.24	1.6	0.24	
67-64-1	Acetone	**15**	19	4.4	**6.3**	8.2	1.9	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**2.2**	1.9	0.30	**0.39**	0.35	0.053	
67-63-0	2-Propanol (Isopropyl Alcohol)	**2.7**	7.7	0.81	**1.1**	3.1	0.33	**J**
107-13-1	Acrylonitrile	<0.40	1.9	0.40	<0.19	0.90	0.19	
75-35-4	1,1-Dichloroethene	<0.27	2.0	0.27	<0.069	0.50	0.069	
75-09-2	Methylene Chloride	**0.90**	1.9	0.55	**0.26**	0.56	0.16	**J**
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.26	2.0	0.26	<0.085	0.63	0.085	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.50**	2.0	0.28	**0.065**	0.26	0.036	**J**
75-15-0	Carbon Disulfide	<0.59	4.0	0.59	<0.19	1.3	0.19	
156-60-5	trans-1,2-Dichloroethene	<0.27	2.0	0.27	<0.069	0.50	0.069	
75-34-3	1,1-Dichloroethane	<0.29	2.0	0.29	<0.071	0.50	0.071	
1634-04-4	Methyl tert-Butyl Ether	**0.53**	2.0	0.23	**0.15**	0.55	0.064	**J**
108-05-4	Vinyl Acetate	<4.4	20	4.4	<1.3	5.6	1.3	
78-93-3	2-Butanone (MEK)	**1.0**	4.0	0.40	**0.36**	1.4	0.14	**J**

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ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14-18** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-002

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00932

Initial Pressure (psig): -1.00 Final Pressure (psig): 5.46

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.28	1.9	0.28	<0.070	0.49	0.070	
141-78-6	Ethyl Acetate	<1.0	4.0	1.0	<0.29	1.1	0.29	
110-54-3	n-Hexane	**0.65**	2.0	0.40	**0.19**	0.56	0.11	**J**
67-66-3	Chloroform	**1.3**	2.0	0.26	**0.26**	0.41	0.053	**J**
109-99-9	Tetrahydrofuran (THF)	<0.25	2.0	0.25	<0.084	0.69	0.084	
107-06-2	1,2-Dichloroethane	<0.22	2.0	0.22	<0.054	0.49	0.054	
71-55-6	1,1,1-Trichloroethane	<0.24	2.0	0.24	<0.044	0.36	0.044	
71-43-2	Benzene	**0.31**	1.9	0.28	**0.097**	0.61	0.089	**J**
56-23-5	Carbon Tetrachloride	<0.27	1.9	0.27	<0.043	0.31	0.043	
110-82-7	Cyclohexane	**4.5**	4.0	0.55	**1.3**	1.2	0.16	
78-87-5	1,2-Dichloropropane	<0.24	2.0	0.24	<0.053	0.43	0.053	
75-27-4	Bromodichloromethane	<0.28	2.0	0.28	<0.042	0.30	0.042	
79-01-6	Trichloroethene	<0.26	2.0	0.26	<0.049	0.37	0.049	
123-91-1	1,4-Dioxane	<0.23	2.0	0.23	<0.064	0.55	0.064	
80-62-6	Methyl Methacrylate	<0.70	4.0	0.70	<0.17	0.99	0.17	
142-82-5	n-Heptane	**1.7**	2.0	0.31	**0.43**	0.48	0.076	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.31	1.9	0.31	<0.067	0.42	0.067	
108-10-1	4-Methyl-2-pentanone	<0.27	1.9	0.27	<0.065	0.48	0.065	
10061-02-6	trans-1,3-Dichloropropene	<0.40	1.9	0.40	<0.089	0.43	0.089	
79-00-5	1,1,2-Trichloroethane	<0.20	2.0	0.20	<0.036	0.36	0.036	
108-88-3	Toluene	**4.4**	2.0	0.24	**1.2**	0.53	0.063	
591-78-6	2-Hexanone	<0.24	2.0	0.24	<0.059	0.48	0.059	
124-48-1	Dibromochloromethane	<0.26	2.0	0.26	<0.030	0.23	0.030	
106-93-4	1,2-Dibromoethane	<0.23	2.0	0.23	<0.030	0.26	0.030	
123-86-4	n-Butyl Acetate	**8.7**	2.0	0.27	**1.8**	0.43	0.056	

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-14-18** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-002

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00932

Initial Pressure (psig): -1.00 Final Pressure (psig): 5.46

Canister Dilution Factor: 1.47

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.44	2.0	0.44	<0.094	0.42	0.094	
127-18-4	Tetrachloroethene	<0.25	1.9	0.25	<0.037	0.28	0.037	
108-90-7	Chlorobenzene	<0.26	2.0	0.26	<0.057	0.43	0.057	
100-41-4	Ethylbenzene	**0.71**	2.0	0.28	**0.16**	0.46	0.063	**J**
179601-23-1	m,p-Xylenes	**2.0**	4.0	0.51	**0.46**	0.93	0.12	**J**
75-25-2	Bromoform	<0.40	2.0	0.40	<0.039	0.19	0.039	
100-42-5	Styrene	**0.67**	1.9	0.32	**0.16**	0.46	0.074	**J**
95-47-6	o-Xylene	**0.54**	2.0	0.28	**0.13**	0.46	0.065	**J**
111-84-2	n-Nonane	<0.33	2.0	0.33	<0.062	0.38	0.062	
79-34-5	1,1,2,2-Tetrachloroethane	<0.27	2.0	0.27	<0.040	0.29	0.040	
98-82-8	Cumene	<0.28	2.0	0.28	<0.058	0.40	0.058	
80-56-8	alpha-Pinene	<0.30	2.0	0.30	<0.054	0.36	0.054	
103-65-1	n-Propylbenzene	<0.28	2.0	0.28	<0.058	0.40	0.058	
622-96-8	4-Ethyltoluene	<0.31	2.0	0.31	<0.064	0.40	0.064	
108-67-8	1,3,5-Trimethylbenzene	<0.28	1.9	0.28	<0.058	0.40	0.058	
95-63-6	1,2,4-Trimethylbenzene	**0.60**	2.0	0.27	**0.12**	0.40	0.055	**J**
100-44-7	Benzyl Chloride	<0.44	4.0	0.44	<0.085	0.78	0.085	
541-73-1	1,3-Dichlorobenzene	<0.29	2.0	0.29	<0.049	0.33	0.049	
106-46-7	1,4-Dichlorobenzene	<0.30	2.0	0.30	<0.050	0.33	0.050	
95-50-1	1,2-Dichlorobenzene	<0.29	2.0	0.29	<0.048	0.33	0.048	
5989-27-5	d-Limonene	**0.55**	2.0	0.40	**0.10**	0.36	0.073	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.37	1.9	0.37	<0.038	0.20	0.038	
120-82-1	1,2,4-Trichlorobenzene	<0.48	2.0	0.48	<0.064	0.27	0.064	
91-20-3	Naphthalene	<0.48	1.9	0.48	<0.091	0.36	0.091	
87-68-3	Hexachlorobutadiene	<0.40	1.9	0.40	<0.038	0.18	0.038	

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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-21** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-003

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00996

Initial Pressure (psig): -2.65 Final Pressure (psig): 5.42

Canister Dilution Factor: 1.67

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.54	2.2	0.54	<0.32	1.3	0.32	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.2**	2.2	0.36	**0.44**	0.45	0.073	**J**
74-87-3	Chloromethane	<0.36	2.2	0.36	<0.17	1.1	0.17	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.35	2.2	0.35	<0.050	0.32	0.050	
75-01-4	Vinyl Chloride	<0.24	2.3	0.24	<0.093	0.88	0.093	
106-99-0	1,3-Butadiene	<0.37	2.2	0.37	<0.17	1.0	0.17	
74-83-9	Bromomethane	<0.31	2.3	0.31	<0.080	0.58	0.080	
75-00-3	Chloroethane	<0.28	2.3	0.28	<0.10	0.85	0.10	
64-17-5	Ethanol	**41**	22	1.5	**22**	12	0.82	
75-05-8	Acetonitrile	<0.54	2.2	0.54	<0.32	1.3	0.32	
107-02-8	Acrolein	<0.63	4.2	0.63	<0.27	1.8	0.27	
67-64-1	Acetone	**8.7**	22	5.0	**3.7**	9.3	2.1	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.3**	2.2	0.34	**0.24**	0.39	0.060	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.92	8.8	0.92	<0.37	3.6	0.37	
107-13-1	Acrylonitrile	<0.46	2.2	0.46	<0.21	1.0	0.21	
75-35-4	1,1-Dichloroethene	<0.31	2.3	0.31	<0.078	0.57	0.078	
75-09-2	Methylene Chloride	<0.63	2.2	0.63	<0.18	0.64	0.18	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.30	2.3	0.30	<0.096	0.72	0.096	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.48**	2.3	0.32	**0.063**	0.29	0.041	**J**
75-15-0	Carbon Disulfide	**1.6**	4.6	0.67	**0.51**	1.5	0.21	**J**
156-60-5	trans-1,2-Dichloroethene	<0.31	2.3	0.31	<0.078	0.57	0.078	
75-34-3	1,1-Dichloroethane	<0.33	2.3	0.33	<0.080	0.57	0.080	
1634-04-4	Methyl tert-Butyl Ether	**0.33**	2.3	0.26	**0.093**	0.63	0.073	**J**
108-05-4	Vinyl Acetate	<5.0	23	5.0	<1.4	6.4	1.4	
78-93-3	2-Butanone (MEK)	**0.66**	4.6	0.46	**0.23**	1.6	0.16	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-21** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-003

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00996

Initial Pressure (psig): -2.65 Final Pressure (psig): 5.42

Canister Dilution Factor: 1.67

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.31	2.2	0.31	<0.079	0.56	0.079	
141-78-6	Ethyl Acetate	<1.2	4.6	1.2	<0.32	1.3	0.32	
110-54-3	n-Hexane	<0.46	2.3	0.46	<0.13	0.64	0.13	
67-66-3	Chloroform	**0.33**	2.3	0.30	**0.068**	0.46	0.061	**J**
109-99-9	Tetrahydrofuran (THF)	<0.28	2.3	0.28	<0.095	0.78	0.095	
107-06-2	1,2-Dichloroethane	<0.25	2.3	0.25	<0.061	0.56	0.061	
71-55-6	1,1,1-Trichloroethane	<0.28	2.3	0.28	<0.051	0.41	0.051	
71-43-2	Benzene	<0.32	2.2	0.32	<0.10	0.69	0.10	
56-23-5	Carbon Tetrachloride	<0.31	2.2	0.31	<0.049	0.35	0.049	
110-82-7	Cyclohexane	<0.63	4.6	0.63	<0.18	1.3	0.18	
78-87-5	1,2-Dichloropropane	<0.28	2.3	0.28	<0.060	0.49	0.060	
75-27-4	Bromodichloromethane	<0.32	2.3	0.32	<0.048	0.34	0.048	
79-01-6	Trichloroethene	<0.30	2.3	0.30	<0.056	0.42	0.056	
123-91-1	1,4-Dioxane	**0.42**	2.3	0.26	**0.12**	0.63	0.073	**J**
80-62-6	Methyl Methacrylate	<0.79	4.6	0.79	<0.19	1.1	0.19	
142-82-5	n-Heptane	**0.97**	2.3	0.35	**0.24**	0.55	0.087	**J**
10061-01-5	cis-1,3-Dichloropropene	<0.35	2.2	0.35	<0.076	0.48	0.076	
108-10-1	4-Methyl-2-pentanone	<0.30	2.2	0.30	<0.074	0.54	0.074	
10061-02-6	trans-1,3-Dichloropropene	<0.46	2.2	0.46	<0.10	0.49	0.10	
79-00-5	1,1,2-Trichloroethane	<0.23	2.3	0.23	<0.041	0.41	0.041	
108-88-3	Toluene	**1.7**	2.3	0.27	**0.46**	0.60	0.072	**J**
591-78-6	2-Hexanone	<0.28	2.3	0.28	<0.067	0.55	0.067	
124-48-1	Dibromochloromethane	<0.29	2.3	0.29	<0.034	0.26	0.034	
106-93-4	1,2-Dibromoethane	<0.26	2.3	0.26	<0.034	0.29	0.034	
123-86-4	n-Butyl Acetate	<0.30	2.3	0.30	<0.064	0.48	0.064	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-21** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P2002527-003

Test Code: EPA TO-15 Date Collected: 5/5/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00996

Initial Pressure (psig): -2.65 Final Pressure (psig): 5.42

Canister Dilution Factor: 1.67

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.50	2.3	0.50	<0.11	0.48	0.11	
127-18-4	Tetrachloroethene	<0.29	2.2	0.29	<0.042	0.32	0.042	
108-90-7	Chlorobenzene	<0.30	2.3	0.30	<0.064	0.49	0.064	
100-41-4	Ethylbenzene	**0.51**	2.3	0.31	**0.12**	0.52	0.072	**J**
179601-23-1	m,p-Xylenes	**0.99**	4.6	0.58	**0.23**	1.1	0.13	**J**
75-25-2	Bromoform	<0.46	2.3	0.46	<0.044	0.22	0.044	
100-42-5	Styrene	**0.54**	2.2	0.36	**0.13**	0.52	0.084	**J**
95-47-6	o-Xylene	**0.37**	2.3	0.32	**0.085**	0.52	0.074	**J**
111-84-2	n-Nonane	<0.37	2.3	0.37	<0.071	0.43	0.071	
79-34-5	1,1,2,2-Tetrachloroethane	<0.31	2.3	0.31	<0.045	0.33	0.045	
98-82-8	Cumene	<0.32	2.3	0.32	<0.065	0.46	0.065	
80-56-8	alpha-Pinene	<0.34	2.3	0.34	<0.061	0.40	0.061	
103-65-1	n-Propylbenzene	<0.32	2.3	0.32	<0.065	0.46	0.065	
622-96-8	4-Ethyltoluene	<0.35	2.3	0.35	<0.072	0.46	0.072	
108-67-8	1,3,5-Trimethylbenzene	<0.32	2.2	0.32	<0.065	0.45	0.065	
95-63-6	1,2,4-Trimethylbenzene	**0.40**	2.3	0.31	**0.082**	0.46	0.063	**J**
100-44-7	Benzyl Chloride	<0.50	4.6	0.50	<0.097	0.89	0.097	
541-73-1	1,3-Dichlorobenzene	<0.33	2.3	0.33	<0.056	0.38	0.056	
106-46-7	1,4-Dichlorobenzene	<0.34	2.3	0.34	<0.057	0.38	0.057	
95-50-1	1,2-Dichlorobenzene	<0.33	2.3	0.33	<0.055	0.38	0.055	
5989-27-5	d-Limonene	<0.46	2.3	0.46	<0.082	0.40	0.082	
96-12-8	1,2-Dibromo-3-chloropropane	<0.42	2.2	0.42	<0.043	0.23	0.043	
120-82-1	1,2,4-Trichlorobenzene	<0.54	2.3	0.54	<0.073	0.30	0.073	
91-20-3	Naphthalene	<0.54	2.2	0.54	<0.10	0.41	0.10	
87-68-3	Hexachlorobutadiene	<0.46	2.2	0.46	<0.043	0.21	0.043	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002527

Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P200518-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/18/20

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.13	0.53	0.13	<0.076	0.31	0.076	
75-71-8	Dichlorodifluoromethane (CFC 12)	<0.087	0.53	0.087	<0.018	0.11	0.018	
74-87-3	Chloromethane	<0.086	0.53	0.086	<0.042	0.26	0.042	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.084	0.53	0.084	<0.012	0.076	0.012	
75-01-4	Vinyl Chloride	<0.057	0.54	0.057	<0.022	0.21	0.022	
106-99-0	1,3-Butadiene	<0.088	0.53	0.088	<0.040	0.24	0.040	
74-83-9	Bromomethane	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-00-3	Chloroethane	<0.066	0.54	0.066	<0.025	0.20	0.025	
64-17-5	Ethanol	<0.37	5.2	0.37	<0.20	2.8	0.20	
75-05-8	Acetonitrile	<0.13	0.53	0.13	<0.077	0.32	0.077	
107-02-8	Acrolein	<0.15	1.0	0.15	<0.065	0.44	0.065	
67-64-1	Acetone	<1.2	5.3	1.2	<0.51	2.2	0.51	
75-69-4	Trichlorofluoromethane (CFC 11)	<0.081	0.53	0.081	<0.014	0.094	0.014	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.22	2.1	0.22	<0.090	0.85	0.090	
107-13-1	Acrylonitrile	<0.11	0.53	0.11	<0.051	0.24	0.051	
75-35-4	1,1-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-09-2	Methylene Chloride	<0.15	0.53	0.15	<0.043	0.15	0.043	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.072	0.54	0.072	<0.023	0.17	0.023	
76-13-1	Trichlorotrifluoroethane (CFC 113)	<0.076	0.54	0.076	<0.0099	0.070	0.0099	
75-15-0	Carbon Disulfide	<0.16	1.1	0.16	<0.051	0.35	0.051	
156-60-5	trans-1,2-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-34-3	1,1-Dichloroethane	<0.078	0.55	0.078	<0.019	0.14	0.019	
1634-04-4	Methyl tert-Butyl Ether	<0.063	0.54	0.063	<0.017	0.15	0.017	
108-05-4	Vinyl Acetate	<1.2	5.4	1.2	<0.34	1.5	0.34	
78-93-3	2-Butanone (MEK)	<0.11	1.1	0.11	<0.037	0.37	0.037	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002527

Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P200518-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/18/20

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.075	0.53	0.075	<0.019	0.13	0.019	
141-78-6	Ethyl Acetate	<0.28	1.1	0.28	<0.078	0.31	0.078	
110-54-3	n-Hexane	<0.11	0.54	0.11	<0.031	0.15	0.031	
67-66-3	Chloroform	<0.071	0.54	0.071	<0.015	0.11	0.015	
109-99-9	Tetrahydrofuran (THF)	<0.067	0.55	0.067	<0.023	0.19	0.023	
107-06-2	1,2-Dichloroethane	<0.059	0.54	0.059	<0.015	0.13	0.015	
71-55-6	1,1,1-Trichloroethane	<0.066	0.54	0.066	<0.012	0.099	0.012	
71-43-2	Benzene	<0.077	0.53	0.077	<0.024	0.17	0.024	
56-23-5	Carbon Tetrachloride	<0.074	0.53	0.074	<0.012	0.084	0.012	
110-82-7	Cyclohexane	<0.15	1.1	0.15	<0.044	0.32	0.044	
78-87-5	1,2-Dichloropropane	<0.066	0.54	0.066	<0.014	0.12	0.014	
75-27-4	Bromodichloromethane	<0.077	0.54	0.077	<0.011	0.081	0.011	
79-01-6	Trichloroethene	<0.072	0.54	0.072	<0.013	0.10	0.013	
123-91-1	1,4-Dioxane	<0.063	0.54	0.063	<0.017	0.15	0.017	
80-62-6	Methyl Methacrylate	<0.19	1.1	0.19	<0.046	0.27	0.046	
142-82-5	n-Heptane	<0.085	0.54	0.085	<0.021	0.13	0.021	
10061-01-5	cis-1,3-Dichloropropene	<0.083	0.52	0.083	<0.018	0.11	0.018	
108-10-1	4-Methyl-2-pentanone	<0.073	0.53	0.073	<0.018	0.13	0.018	
10061-02-6	trans-1,3-Dichloropropene	<0.11	0.53	0.11	<0.024	0.12	0.024	
79-00-5	1,1,2-Trichloroethane	<0.054	0.54	0.054	<0.0099	0.099	0.0099	
108-88-3	Toluene	<0.065	0.54	0.065	<0.017	0.14	0.017	
591-78-6	2-Hexanone	<0.066	0.54	0.066	<0.016	0.13	0.016	
124-48-1	Dibromochloromethane	<0.070	0.54	0.070	<0.0082	0.063	0.0082	
106-93-4	1,2-Dibromoethane	<0.062	0.54	0.062	<0.0081	0.070	0.0081	
123-86-4	n-Butyl Acetate	<0.073	0.55	0.073	<0.015	0.12	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Method Blank** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P200518-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.12	0.54	0.12	<0.026	0.12	0.026	
127-18-4	Tetrachloroethene	<0.069	0.52	0.069	<0.010	0.077	0.010	
108-90-7	Chlorobenzene	<0.071	0.54	0.071	<0.015	0.12	0.015	
100-41-4	Ethylbenzene	<0.075	0.54	0.075	<0.017	0.12	0.017	
179601-23-1	m,p-Xylenes	<0.14	1.1	0.14	<0.032	0.25	0.032	
75-25-2	Bromoform	<0.11	0.54	0.11	<0.011	0.052	0.011	
100-42-5	Styrene	<0.086	0.53	0.086	<0.020	0.12	0.020	
95-47-6	o-Xylene	<0.077	0.54	0.077	<0.018	0.12	0.018	
111-84-2	n-Nonane	<0.089	0.54	0.089	<0.017	0.10	0.017	
79-34-5	1,1,2,2-Tetrachloroethane	<0.074	0.54	0.074	<0.011	0.079	0.011	
98-82-8	Cumene	<0.077	0.54	0.077	<0.016	0.11	0.016	
80-56-8	alpha-Pinene	<0.082	0.54	0.082	<0.015	0.097	0.015	
103-65-1	n-Propylbenzene	<0.077	0.54	0.077	<0.016	0.11	0.016	
622-96-8	4-Ethyltoluene	<0.085	0.54	0.085	<0.017	0.11	0.017	
108-67-8	1,3,5-Trimethylbenzene	<0.077	0.53	0.077	<0.016	0.11	0.016	
95-63-6	1,2,4-Trimethylbenzene	<0.074	0.54	0.074	<0.015	0.11	0.015	
100-44-7	Benzyl Chloride	<0.12	1.1	0.12	<0.023	0.21	0.023	
541-73-1	1,3-Dichlorobenzene	<0.080	0.54	0.080	<0.013	0.090	0.013	
106-46-7	1,4-Dichlorobenzene	<0.082	0.54	0.082	<0.014	0.090	0.014	
95-50-1	1,2-Dichlorobenzene	<0.079	0.54	0.079	<0.013	0.090	0.013	
5989-27-5	d-Limonene	<0.11	0.54	0.11	<0.020	0.097	0.020	
96-12-8	1,2-Dibromo-3-chloropropane	<0.10	0.53	0.10	<0.010	0.055	0.010	
120-82-1	1,2,4-Trichlorobenzene	<0.13	0.54	0.13	<0.018	0.073	0.018	
91-20-3	Naphthalene	<0.13	0.52	0.13	<0.025	0.099	0.025	
87-68-3	Hexachlorobutadiene	<0.11	0.53	0.11	<0.010	0.050	0.010	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Project ID: P2002527

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 5/5/20
Analyst: Wida Ang Date(s) Received: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister(s) Date(s) Analyzed: 5/18/20
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P200518-MB	**95**	**99**	**107**	70-130	
Lab Control Sample	P200518-LCS	**91**	**98**	**112**	70-130	
SG-14-15	P2002527-001	**91**	**100**	**111**	70-130	
SG-14-18	P2002527-002	**90**	**102**	**109**	70-130	
SG-11-21	P2002527-003	**91**	**100**	**110**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P200518-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	210	**180**	**86**	51-133	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**171**	**81**	64-115	
74-87-3	Chloromethane	212	**185**	**87**	49-127	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	**169**	**82**	65-114	
75-01-4	Vinyl Chloride	212	**165**	**78**	61-129	
106-99-0	1,3-Butadiene	212	**182**	**86**	54-140	
74-83-9	Bromomethane	212	**177**	**83**	68-120	
75-00-3	Chloroethane	214	**163**	**76**	63-123	
64-17-5	Ethanol	1,060	**709**	**67**	49-134	
75-05-8	Acetonitrile	214	**144**	**67**	50-137	
107-02-8	Acrolein	206	**170**	**83**	62-128	
67-64-1	Acetone	1,070	**815**	**76**	56-125	
75-69-4	Trichlorofluoromethane (CFC 11)	212	**170**	**80**	64-115	
67-63-0	2-Propanol (Isopropyl Alcohol)	422	**351**	**83**	57-133	
107-13-1	Acrylonitrile	212	**187**	**88**	64-136	
75-35-4	1,1-Dichloroethene	214	**186**	**87**	67-115	
75-09-2	Methylene Chloride	210	**171**	**81**	68-114	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	**158**	**74**	55-139	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	**182**	**84**	65-115	
75-15-0	Carbon Disulfide	212	**163**	**77**	68-113	
156-60-5	trans-1,2-Dichloroethene	214	**185**	**86**	65-122	
75-34-3	1,1-Dichloroethane	212	**168**	**79**	63-118	
1634-04-4	Methyl tert-Butyl Ether	214	**218**	**102**	57-131	
108-05-4	Vinyl Acetate	1,070	**846**	**79**	71-128	
78-93-3	2-Butanone (MEK)	212	**178**	**84**	67-123	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P200518-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	212	**177**	**83**	64-120	
141-78-6	Ethyl Acetate	432	**362**	**84**	64-131	
110-54-3	n-Hexane	216	**159**	**74**	58-125	
67-66-3	Chloroform	214	**172**	**80**	65-114	
109-99-9	Tetrahydrofuran (THF)	220	**180**	**82**	65-115	
107-06-2	1,2-Dichloroethane	214	**169**	**79**	59-119	
71-55-6	1,1,1-Trichloroethane	214	**180**	**84**	66-115	
71-43-2	Benzene	210	**168**	**80**	66-109	
56-23-5	Carbon Tetrachloride	208	**174**	**84**	66-119	
110-82-7	Cyclohexane	422	**353**	**84**	67-117	
78-87-5	1,2-Dichloropropane	214	**171**	**80**	66-119	
75-27-4	Bromodichloromethane	218	**182**	**83**	71-119	
79-01-6	Trichloroethene	216	**188**	**87**	70-114	
123-91-1	1,4-Dioxane	216	**196**	**91**	71-117	
80-62-6	Methyl Methacrylate	430	**384**	**89**	76-121	
142-82-5	n-Heptane	214	**178**	**83**	66-119	
10061-01-5	cis-1,3-Dichloropropene	214	**214**	**100**	72-125	
108-10-1	4-Methyl-2-pentanone	212	**195**	**92**	68-130	
10061-02-6	trans-1,3-Dichloropropene	212	**205**	**97**	71-132	
79-00-5	1,1,2-Trichloroethane	214	**194**	**91**	70-117	
108-88-3	Toluene	212	**178**	**84**	67-113	
591-78-6	2-Hexanone	216	**193**	**89**	62-135	
124-48-1	Dibromochloromethane	214	**195**	**91**	73-126	
106-93-4	1,2-Dibromoethane	214	**197**	**92**	71-122	
123-86-4	n-Butyl Acetate	218	**212**	**97**	65-134	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002527
Client Project ID: **SDE DOV / KTE-34-20-Simi** ALS Sample ID: P200518-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	216	**179**	**83**	63-120	
127-18-4	Tetrachloroethene	208	**179**	**86**	64-120	
108-90-7	Chlorobenzene	214	**180**	**84**	65-116	
100-41-4	Ethylbenzene	212	**186**	**88**	65-117	
179601-23-1	m,p-Xylenes	426	**367**	**86**	64-121	
75-25-2	Bromoform	214	**214**	**100**	72-130	
100-42-5	Styrene	212	**207**	**98**	72-126	
95-47-6	o-Xylene	214	**185**	**86**	64-120	
111-84-2	n-Nonane	214	**178**	**83**	56-132	
79-34-5	1,1,2,2-Tetrachloroethane	214	**187**	**87**	66-122	
98-82-8	Cumene	214	**186**	**87**	64-121	
80-56-8	alpha-Pinene	212	**183**	**86**	62-136	
103-65-1	n-Propylbenzene	214	**189**	**88**	65-123	
622-96-8	4-Ethyltoluene	210	**189**	**90**	71-126	
108-67-8	1,3,5-Trimethylbenzene	212	**188**	**89**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**202**	**95**	63-129	
100-44-7	Benzyl Chloride	214	**206**	**96**	66-138	
541-73-1	1,3-Dichlorobenzene	214	**195**	**91**	65-127	
106-46-7	1,4-Dichlorobenzene	214	**193**	**90**	65-125	
95-50-1	1,2-Dichlorobenzene	214	**198**	**93**	67-128	
5989-27-5	d-Limonene	212	**202**	**95**	65-136	
96-12-8	1,2-Dibromo-3-chloropropane	214	**217**	**101**	73-133	
120-82-1	1,2,4-Trichlorobenzene	216	**229**	**106**	62-140	
91-20-3	Naphthalene	212	**251**	**118**	57-149	
87-68-3	Hexachlorobutadiene	214	**200**	**93**	57-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

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www.alsglobal.com

LABORATORY REPORT

May 21, 2020

Eyal Shvartz
Dr. Katz Technologies & Enterprises (KTE)
HaMeginim Ave. 53
Haifa, ISR-HA 33265

RE: ECOLOG SDE DOV / KTE-37-20-Simi

Dear Eyal:

Enclosed are the results of the samples submitted to our laboratory on May 8, 2020. For your reference, these analyses have been assigned our service request number P2002526.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Sue Anderson at 4:36 pm, May 21, 2020

Sue Anderson
Project Manager

2655 Park Center Dr., Suite A
Simi Valley, CA 93065
T: +1 805 526 7161
www.alsglobal.com

Client: Dr. Katz Technologies & Enterprises (KTE) Service Request No: P2002526
Project: ECOLOG SDE DOV / KTE-37-20-Simi

CASE NARRATIVE

The samples were received intact under chain of custody on May 8, 2020 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

The analyses for sample GG-11-1 (P2002526-001) and SG-11-11 (P2002526-006) were cancelled because the canisters were found to be leaking.

Volatile Organic Compound Analysis

The samples were analyzed for volatile organic compounds in accordance with EPA Method TO-15 from the Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition (EPA/625/R-96/010b), January, 1999. This procedure is described in laboratory SOP VOA-TO15. The analytical system was comprised of a gas chromatograph / mass spectrometer (GC/MS) interfaced to a whole-air preconcentrator. This method is included on the laboratory's NELAP and DoD-ELAP scope of accreditation. Any analytes flagged with an X are not included on the NELAP or DoD-ELAP accreditation.

The containers were cleaned, prior to sampling, down to the method reporting limit (MRL) reported for this project. For projects requiring DoD QSM 5.1 compliance canisters were cleaned to <1/2 the MRL. Please note, projects which require reporting below the MRL could have results between the MRL and method detection limit (MDL) that are biased high.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

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ALS Environmental – Simi Valley

CERTIFICATIONS, ACCREDITATIONS, AND REGISTRATIONS

Agency	Web Site	Number
Alaska DEC	http://dec.alaska.gov/eh/lab.aspx	17-019
Arizona DHS	http://www.azdhs.gov/preparedness/state-laboratory/lab-licensure-certification/index.php#laboratory-licensure-home	AZ0694
Florida DOH (NELAP)	http://www.floridahealth.gov/licensing-and-regulation/environmental-laboratories/index.html	E871020
Louisiana DEQ (NELAP)	http://www.deq.louisiana.gov/page/la-lab-accreditation	05071
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml	2018027
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	1776326
New Jersey DEP (NELAP)	http://www.nj.gov/dep/enforcement/oqa.html	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://www.oregon.gov/oha/ph/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	4068-007
Pennsylvania DEP	http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx	68-03307 (Registration)
PJLA (DoD ELAP)	http://www.pjlabs.com/search-accredited-labs	65818 (Testing)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/agency/qa/env_lab_accreditation.html	T104704413-19-10
Utah DOH (NELAP)	http://health.utah.gov/lab/lab_cert_env	CA016272019-10
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

ALS ENVIRONMENTAL

DETAIL SUMMARY REPORT

Client: Dr. Katz Technologies & Enterprises (KTE) Service Request: P2002526

Project ID: ECOLOG SDE DOV / KTE-37-20-Simi

Date Received: 5/8/2020

Time Received: 09:30

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Container ID	Pi1 (psig)	Pf1 (psig)	2nd Pi (psig)	2nd Pf (psig)	TO-15 - VOC Cans
SG-11-5	P2002526-002	Air	5/6/2020	11:40	1SS00884	-0.83	5.93			X
SG-11-13	P2002526-003	Air	5/6/2020	12:20	1SS00694	-1.88	6.00			X
SG-11-9	P2002526-004	Air	5/6/2020	13:00	1SS01002	-1.94	5.73			X
SG-11-15	P2002526-005	Air	5/6/2020	14:00	1SS00178	-2.06	6.67			X

Air - Chain of Custody Record & Analytical Service Request

Page ____ of ____

2655 Park Center Drive, Suite A
Simi Valley, California 93065
Phone (805) 526-7161

Requested Turnaround Time in Business Days (Surcharges) please circle
1 Day (100%) 2 Day (75%) 3 Day (50%) 4 Day (35%) 5 Day (25%) 10 Day-Standard

ALS Project No: P2002526

ALS Contact:

Company Name & Address (Reporting Information): KLC

Project Name: SDE DOV

Project Number: KLE-37-20-5,NJ

Project Manager:

P.O. # / Billing Information:

Phone:

Fax:

Email Address for Result Reporting:

Sampler (Print & Sign):

Analysis Method

Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID (Bar code # - AC, SC, etc.)	Flow Controller ID (Bar code # - FC #)	Canister Start Pressure "Hg	Canister End Pressure "Hg/psig	Sample Volume	TO-15		Comments e.g. Actual Preservative or specific instructions
SG-11-1	1	[illegible]	[illegible]	[illegible]	[illegible]	30	3	1L	✓		
~~[illegible]~~		~~[illegible]~~		~~[illegible]~~	~~[illegible]~~			1L			
SG-11-5	2	[illegible]	[illegible]	[illegible]	[illegible]	30	3	1L	✓		
SG-11-10	3	[illegible]	[illegible]	[illegible]	[illegible]	30	3	1L	✓		
SG-11-2	4	[illegible]	13:00	[illegible]	[illegible]	30	3	1L	✓		
SG-11-5	5	[illegible]	[illegible]	[illegible]	[illegible]	30	4	1L	✓		
SG-11-11	6	[illegible]	[illegible]	[illegible]	[illegible]	27	3	1L	✓		

Report Tier Levels - please select

Tier I - Results (Default if not specified) ____
Tier II (Results + QC Summaries) ____
Tier III (Results + QC & Calibration Summaries) X
Tier IV (Data Validation Package) 10% Surcharge ____

EDD required Yes / No
Type: ____ Units: ____

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Project Requirements (MRLs, QAPP)

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
[illegible]	[illegible]				
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date: 5-8-20	Time: 0930

Cooler / Blank Temperature °C

ALS Environmental
Sample Acceptance Check Form

Client: Dr. Katz Technologies & Enterprises (KTE) Work order: P2002526

Project: ECOLOG SDE DOV / KTE-37-20-Simi

Sample(s) received on: 5/8/20 Date opened: 5/8/20 by: ADAVID

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Did **sample containers** arrive in good condition?	☒	☐	☐
3	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
4	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
5	Was **sample volume** received adequate for analysis?	☒	☐	☐
6	Are samples within specified holding times?	☒	☐	☐
7	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☐	☐	☒
8	Were **custody seals** on outside of cooler/Box/Container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
9	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
10	**Tubes:** Are the tubes capped and intact?	☐	☐	☒
11	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P2002526-001.01	1.0 L Source Silonite Canister					
P2002526-002.01	1.0 L Source Silonite Canister					
P2002526-003.01	1.0 L Source Silonite Canister					
P2002526-004.01	1.0 L Source Silonite Canister					
P2002526-005.01	1.0 L Source Silonite Canister					
P2002526-006.01	1.0 L Source Silonite Canister					

Explain any discrepancies: (include lab sample ID numbers): _____

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-5** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-002

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00884

Initial Pressure (psig): -0.83 Final Pressure (psig): 5.93

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.48	2.0	0.48	<0.28	1.1	0.28	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.1**	2.0	0.32	**0.42**	0.40	0.066	
74-87-3	Chloromethane	<0.32	2.0	0.32	<0.16	0.96	0.16	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.31	2.0	0.31	<0.045	0.28	0.045	
75-01-4	Vinyl Chloride	<0.21	2.0	0.21	<0.083	0.79	0.083	
106-99-0	1,3-Butadiene	<0.33	2.0	0.33	<0.15	0.89	0.15	
74-83-9	Bromomethane	<0.28	2.0	0.28	<0.071	0.52	0.071	
75-00-3	Chloroethane	<0.25	2.0	0.25	<0.093	0.76	0.093	
64-17-5	Ethanol	**64**	19	1.4	**34**	10	0.73	
75-05-8	Acetonitrile	**0.96**	2.0	0.48	**0.57**	1.2	0.29	**J**
107-02-8	Acrolein	**0.61**	3.7	0.56	**0.27**	1.6	0.24	**J**
67-64-1	Acetone	**22**	20	4.5	**9.4**	8.3	1.9	
75-69-4	Trichlorofluoromethane (CFC 11)	**1.8**	2.0	0.30	**0.32**	0.35	0.054	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	**1.6**	7.8	0.82	**0.67**	3.2	0.33	**J**
107-13-1	Acrylonitrile	<0.41	2.0	0.41	<0.19	0.91	0.19	
75-35-4	1,1-Dichloroethene	<0.28	2.0	0.28	<0.070	0.51	0.070	
75-09-2	Methylene Chloride	**2.6**	2.0	0.56	**0.73**	0.57	0.16	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.27	2.0	0.27	<0.086	0.64	0.086	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.47**	2.0	0.28	**0.061**	0.26	0.037	**J**
75-15-0	Carbon Disulfide	**0.73**	4.1	0.60	**0.24**	1.3	0.19	**J**
156-60-5	trans-1,2-Dichloroethene	<0.28	2.0	0.28	<0.070	0.51	0.070	
75-34-3	1,1-Dichloroethane	<0.29	2.0	0.29	<0.072	0.51	0.072	
1634-04-4	Methyl tert-Butyl Ether	**7.0**	2.0	0.23	**2.0**	0.56	0.065	
108-05-4	Vinyl Acetate	<4.5	20	4.5	<1.3	5.7	1.3	
78-93-3	2-Butanone (MEK)	**1.4**	4.1	0.41	**0.48**	1.4	0.14	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-5** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-002

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00884

Initial Pressure (psig): -0.83 Final Pressure (psig): 5.93

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.28	2.0	0.28	<0.070	0.50	0.070	
141-78-6	Ethyl Acetate	**5.4**	4.1	1.0	**1.5**	1.1	0.29	
110-54-3	n-Hexane	**5.1**	2.0	0.41	**1.4**	0.57	0.12	
67-66-3	Chloroform	**5.0**	2.0	0.26	**1.0**	0.41	0.054	
109-99-9	Tetrahydrofuran (THF)	**42**	2.0	0.25	**14**	0.69	0.085	
107-06-2	1,2-Dichloroethane	<0.22	2.0	0.22	<0.054	0.50	0.054	
71-55-6	1,1,1-Trichloroethane	<0.25	2.0	0.25	<0.045	0.37	0.045	
71-43-2	Benzene	**0.76**	2.0	0.29	**0.24**	0.62	0.090	**J**
56-23-5	Carbon Tetrachloride	<0.28	2.0	0.28	<0.044	0.31	0.044	
110-82-7	Cyclohexane	**65**	4.1	0.56	**19**	1.2	0.16	
78-87-5	1,2-Dichloropropane	<0.25	2.0	0.25	<0.053	0.44	0.053	
75-27-4	Bromodichloromethane	**0.38**	2.0	0.29	**0.057**	0.30	0.043	**J**
79-01-6	Trichloroethene	**0.35**	2.0	0.27	**0.065**	0.37	0.050	**J**
123-91-1	1,4-Dioxane	<0.23	2.0	0.23	<0.065	0.56	0.065	
80-62-6	Methyl Methacrylate	<0.71	4.1	0.71	<0.17	1.0	0.17	
142-82-5	n-Heptane	**2.9**	2.0	0.32	**0.71**	0.49	0.077	
10061-01-5	cis-1,3-Dichloropropene	<0.31	1.9	0.31	<0.068	0.43	0.068	
108-10-1	4-Methyl-2-pentanone	<0.27	2.0	0.27	<0.066	0.48	0.066	
10061-02-6	trans-1,3-Dichloropropene	<0.41	2.0	0.41	<0.090	0.44	0.090	
79-00-5	1,1,2-Trichloroethane	<0.20	2.0	0.20	<0.037	0.37	0.037	
108-88-3	Toluene	**14**	2.0	0.24	**3.7**	0.53	0.064	
591-78-6	2-Hexanone	<0.25	2.0	0.25	<0.060	0.49	0.060	
124-48-1	Dibromochloromethane	<0.26	2.0	0.26	<0.031	0.24	0.031	
106-93-4	1,2-Dibromoethane	<0.23	2.0	0.23	<0.030	0.26	0.030	
123-86-4	n-Butyl Acetate	**29**	2.0	0.27	**6.1**	0.43	0.057	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-5** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-002

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00884

Initial Pressure (psig): -0.83 Final Pressure (psig): 5.93

Canister Dilution Factor: 1.49

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**1.3**	2.0	0.45	**0.27**	0.43	0.096	**J**
127-18-4	Tetrachloroethene	<0.26	1.9	0.26	<0.038	0.29	0.038	
108-90-7	Chlorobenzene	<0.26	2.0	0.26	<0.057	0.44	0.057	
100-41-4	Ethylbenzene	**3.4**	2.0	0.28	**0.78**	0.46	0.064	
179601-23-1	m,p-Xylenes	**12**	4.1	0.52	**2.7**	0.94	0.12	
75-25-2	Bromoform	<0.41	2.0	0.41	<0.040	0.19	0.040	
100-42-5	Styrene	**1.6**	2.0	0.32	**0.37**	0.46	0.075	**J**
95-47-6	o-Xylene	**4.2**	2.0	0.29	**0.98**	0.46	0.066	
111-84-2	n-Nonane	**0.60**	2.0	0.33	**0.12**	0.38	0.063	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.28	2.0	0.28	<0.040	0.29	0.040	
98-82-8	Cumene	**0.34**	2.0	0.29	**0.068**	0.41	0.058	**J**
80-56-8	alpha-Pinene	<0.31	2.0	0.31	<0.055	0.36	0.055	
103-65-1	n-Propylbenzene	**1.1**	2.0	0.29	**0.22**	0.41	0.058	**J**
622-96-8	4-Ethyltoluene	**1.9**	2.0	0.32	**0.38**	0.41	0.064	**J**
108-67-8	1,3,5-Trimethylbenzene	**2.2**	2.0	0.29	**0.46**	0.40	0.058	
95-63-6	1,2,4-Trimethylbenzene	**11**	2.0	0.28	**2.2**	0.41	0.056	
100-44-7	Benzyl Chloride	<0.45	4.1	0.45	<0.086	0.79	0.086	
541-73-1	1,3-Dichlorobenzene	<0.30	2.0	0.30	<0.050	0.33	0.050	
106-46-7	1,4-Dichlorobenzene	<0.31	2.0	0.31	<0.051	0.33	0.051	
95-50-1	1,2-Dichlorobenzene	<0.29	2.0	0.29	<0.049	0.33	0.049	
5989-27-5	d-Limonene	**1.6**	2.0	0.41	**0.28**	0.36	0.074	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.37	2.0	0.37	<0.039	0.20	0.039	
120-82-1	1,2,4-Trichlorobenzene	<0.48	2.0	0.48	<0.065	0.27	0.065	
91-20-3	Naphthalene	**1.1**	1.9	0.48	**0.21**	0.37	0.092	**J**
87-68-3	Hexachlorobutadiene	<0.41	2.0	0.41	<0.038	0.19	0.038	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-13** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-003

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00694

Initial Pressure (psig): -1.88 Final Pressure (psig): 6.00

Canister Dilution Factor: 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.52	2.1	0.52	<0.30	1.2	0.30	
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.0**	2.1	0.35	**0.41**	0.43	0.071	**J**
74-87-3	Chloromethane	<0.35	2.1	0.35	<0.17	1.0	0.17	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.34	2.1	0.34	<0.048	0.31	0.048	
75-01-4	Vinyl Chloride	<0.23	2.2	0.23	<0.090	0.85	0.090	
106-99-0	1,3-Butadiene	<0.35	2.1	0.35	<0.16	0.96	0.16	
74-83-9	Bromomethane	<0.30	2.2	0.30	<0.077	0.56	0.077	
75-00-3	Chloroethane	<0.27	2.2	0.27	<0.10	0.82	0.10	
64-17-5	Ethanol	**78**	21	1.5	**41**	11	0.79	
75-05-8	Acetonitrile	<0.52	2.1	0.52	<0.31	1.3	0.31	
107-02-8	Acrolein	<0.60	4.0	0.60	<0.26	1.8	0.26	
67-64-1	Acetone	**12**	21	4.8	**4.9**	9.0	2.0	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.3**	2.1	0.33	**0.24**	0.38	0.058	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.89	8.5	0.89	<0.36	3.4	0.36	
107-13-1	Acrylonitrile	<0.44	2.1	0.44	<0.20	0.98	0.20	
75-35-4	1,1-Dichloroethene	<0.30	2.2	0.30	<0.075	0.55	0.075	
75-09-2	Methylene Chloride	<0.60	2.1	0.60	<0.17	0.61	0.17	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.29	2.2	0.29	<0.093	0.69	0.093	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.43**	2.2	0.31	**0.057**	0.28	0.040	**J**
75-15-0	Carbon Disulfide	<0.64	4.4	0.64	<0.21	1.4	0.21	
156-60-5	trans-1,2-Dichloroethene	<0.30	2.2	0.30	<0.075	0.55	0.075	
75-34-3	1,1-Dichloroethane	<0.31	2.2	0.31	<0.078	0.55	0.078	
1634-04-4	Methyl tert-Butyl Ether	**1.7**	2.2	0.25	**0.48**	0.60	0.070	**J**
108-05-4	Vinyl Acetate	<4.8	22	4.8	<1.4	6.2	1.4	
78-93-3	2-Butanone (MEK)	**1.5**	4.4	0.44	**0.52**	1.5	0.15	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-13** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-003

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00694

Initial Pressure (psig): -1.88 Final Pressure (psig): 6.00

Canister Dilution Factor: 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.30	2.1	0.30	<0.076	0.54	0.076	
141-78-6	Ethyl Acetate	<1.1	4.4	1.1	<0.31	1.2	0.31	
110-54-3	n-Hexane	<0.44	2.2	0.44	<0.13	0.62	0.13	
67-66-3	Chloroform	**3.0**	2.2	0.29	**0.61**	0.45	0.059	
109-99-9	Tetrahydrofuran (THF)	<0.27	2.2	0.27	<0.091	0.75	0.091	
107-06-2	1,2-Dichloroethane	<0.24	2.2	0.24	<0.059	0.54	0.059	
71-55-6	1,1,1-Trichloroethane	<0.27	2.2	0.27	<0.049	0.40	0.049	
71-43-2	Benzene	**0.39**	2.1	0.31	**0.12**	0.67	0.097	**J**
56-23-5	Carbon Tetrachloride	<0.30	2.1	0.30	<0.047	0.34	0.047	
110-82-7	Cyclohexane	<0.60	4.4	0.60	<0.18	1.3	0.18	
78-87-5	1,2-Dichloropropane	<0.27	2.2	0.27	<0.058	0.47	0.058	
75-27-4	Bromodichloromethane	<0.31	2.2	0.31	<0.046	0.32	0.046	
79-01-6	Trichloroethene	<0.29	2.2	0.29	<0.054	0.40	0.054	
123-91-1	1,4-Dioxane	<0.25	2.2	0.25	<0.070	0.60	0.070	
80-62-6	Methyl Methacrylate	<0.76	4.4	0.76	<0.19	1.1	0.19	
142-82-5	n-Heptane	**2.3**	2.2	0.34	**0.57**	0.53	0.084	
10061-01-5	cis-1,3-Dichloropropene	<0.33	2.1	0.33	<0.074	0.46	0.074	
108-10-1	4-Methyl-2-pentanone	**0.34**	2.1	0.29	**0.084**	0.52	0.072	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.44	2.1	0.44	<0.098	0.47	0.098	
79-00-5	1,1,2-Trichloroethane	<0.22	2.2	0.22	<0.040	0.40	0.040	
108-88-3	Toluene	**3.7**	2.2	0.26	**0.98**	0.58	0.069	
591-78-6	2-Hexanone	<0.27	2.2	0.27	<0.065	0.53	0.065	
124-48-1	Dibromochloromethane	<0.28	2.2	0.28	<0.033	0.26	0.033	
106-93-4	1,2-Dibromoethane	<0.25	2.2	0.25	<0.032	0.28	0.032	
123-86-4	n-Butyl Acetate	<0.29	2.2	0.29	<0.062	0.47	0.062	

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-13** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-003

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00694

Initial Pressure (psig): -1.88 Final Pressure (psig): 6.00

Canister Dilution Factor: 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**1.3**	2.2	0.48	**0.27**	0.47	0.10	**J**
127-18-4	Tetrachloroethene	<0.28	2.1	0.28	<0.041	0.31	0.041	
108-90-7	Chlorobenzene	<0.29	2.2	0.29	<0.062	0.47	0.062	
100-41-4	Ethylbenzene	**1.3**	2.2	0.30	**0.31**	0.50	0.070	**J**
179601-23-1	m,p-Xylenes	**4.3**	4.4	0.56	**0.99**	1.0	0.13	**J**
75-25-2	Bromoform	<0.44	2.2	0.44	<0.043	0.21	0.043	
100-42-5	Styrene	**0.77**	2.1	0.35	**0.18**	0.50	0.081	**J**
95-47-6	o-Xylene	**1.7**	2.2	0.31	**0.39**	0.50	0.071	**J**
111-84-2	n-Nonane	**1.3**	2.2	0.36	**0.24**	0.41	0.068	**J**
79-34-5	1,1,2,2-Tetrachloroethane	<0.30	2.2	0.30	<0.043	0.32	0.043	
98-82-8	Cumene	<0.31	2.2	0.31	<0.063	0.44	0.063	
80-56-8	alpha-Pinene	<0.33	2.2	0.33	<0.059	0.39	0.059	
103-65-1	n-Propylbenzene	**0.43**	2.2	0.31	**0.088**	0.44	0.063	**J**
622-96-8	4-Ethyltoluene	**0.66**	2.2	0.34	**0.13**	0.44	0.070	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.73**	2.1	0.31	**0.15**	0.43	0.063	**J**
95-63-6	1,2,4-Trimethylbenzene	**3.3**	2.2	0.30	**0.67**	0.44	0.061	
100-44-7	Benzyl Chloride	<0.48	4.4	0.48	<0.093	0.86	0.093	
541-73-1	1,3-Dichlorobenzene	<0.32	2.2	0.32	<0.054	0.36	0.054	
106-46-7	1,4-Dichlorobenzene	<0.33	2.2	0.33	<0.055	0.36	0.055	
95-50-1	1,2-Dichlorobenzene	<0.32	2.2	0.32	<0.053	0.36	0.053	
5989-27-5	d-Limonene	**0.66**	2.2	0.44	**0.12**	0.39	0.079	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.40	2.1	0.40	<0.042	0.22	0.042	
120-82-1	1,2,4-Trichlorobenzene	<0.52	2.2	0.52	<0.071	0.29	0.071	
91-20-3	Naphthalene	**0.80**	2.1	0.52	**0.15**	0.40	0.10	**J**
87-68-3	Hexachlorobutadiene	<0.44	2.1	0.44	<0.042	0.20	0.042	

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J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-9** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-004

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS01002

Initial Pressure (psig): -1.94 Final Pressure (psig): 5.73

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	**0.71**	2.1	0.52	**0.41**	1.2	0.30	**J**
75-71-8	Dichlorodifluoromethane (CFC 12)	**2.1**	2.1	0.35	**0.42**	0.43	0.070	**J**
74-87-3	Chloromethane	<0.34	2.1	0.34	<0.17	1.0	0.17	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.34	2.1	0.34	<0.048	0.30	0.048	
75-01-4	Vinyl Chloride	<0.23	2.2	0.23	<0.089	0.85	0.089	
106-99-0	1,3-Butadiene	<0.35	2.1	0.35	<0.16	0.96	0.16	
74-83-9	Bromomethane	<0.30	2.2	0.30	<0.076	0.56	0.076	
75-00-3	Chloroethane	<0.26	2.2	0.26	<0.10	0.82	0.10	
64-17-5	Ethanol	**6.2**	21	1.5	**3.3**	11	0.79	**J**
75-05-8	Acetonitrile	<0.52	2.1	0.52	<0.31	1.3	0.31	
107-02-8	Acrolein	<0.60	4.0	0.60	<0.26	1.7	0.26	
67-64-1	Acetone	**7.8**	21	4.8	**3.3**	8.9	2.0	**J**
75-69-4	Trichlorofluoromethane (CFC 11)	**1.6**	2.1	0.32	**0.28**	0.38	0.058	**J**
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.88	8.4	0.88	<0.36	3.4	0.36	
107-13-1	Acrylonitrile	<0.44	2.1	0.44	<0.20	0.98	0.20	
75-35-4	1,1-Dichloroethene	<0.30	2.2	0.30	<0.075	0.55	0.075	
75-09-2	Methylene Chloride	<0.60	2.1	0.60	<0.17	0.61	0.17	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.29	2.2	0.29	<0.092	0.69	0.092	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.46**	2.2	0.30	**0.060**	0.28	0.040	**J**
75-15-0	Carbon Disulfide	**7.4**	4.4	0.64	**2.4**	1.4	0.21	
156-60-5	trans-1,2-Dichloroethene	<0.30	2.2	0.30	<0.075	0.55	0.075	
75-34-3	1,1-Dichloroethane	<0.31	2.2	0.31	<0.077	0.54	0.077	
1634-04-4	Methyl tert-Butyl Ether	**0.62**	2.2	0.25	**0.17**	0.60	0.070	**J**
108-05-4	Vinyl Acetate	<4.8	22	4.8	<1.4	6.1	1.4	
78-93-3	2-Butanone (MEK)	**1.2**	4.4	0.44	**0.42**	1.5	0.15	**J**

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-9** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-004

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS01002

Initial Pressure (psig): -1.94 Final Pressure (psig): 5.73

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.30	2.1	0.30	<0.076	0.53	0.076	
141-78-6	Ethyl Acetate	<1.1	4.4	1.1	<0.31	1.2	0.31	
110-54-3	n-Hexane	<0.44	2.2	0.44	<0.12	0.61	0.12	
67-66-3	Chloroform	**1.3**	2.2	0.28	**0.26**	0.44	0.058	**J**
109-99-9	Tetrahydrofuran (THF)	<0.27	2.2	0.27	<0.091	0.75	0.091	
107-06-2	1,2-Dichloroethane	<0.24	2.2	0.24	<0.058	0.53	0.058	
71-55-6	1,1,1-Trichloroethane	<0.26	2.2	0.26	<0.048	0.40	0.048	
71-43-2	Benzene	**0.41**	2.1	0.31	**0.13**	0.66	0.096	**J**
56-23-5	Carbon Tetrachloride	<0.30	2.1	0.30	<0.047	0.34	0.047	
110-82-7	Cyclohexane	<0.60	4.4	0.60	<0.17	1.3	0.17	
78-87-5	1,2-Dichloropropane	<0.26	2.2	0.26	<0.057	0.47	0.057	
75-27-4	Bromodichloromethane	<0.31	2.2	0.31	<0.046	0.32	0.046	
79-01-6	Trichloroethene	<0.29	2.2	0.29	<0.054	0.40	0.054	
123-91-1	1,4-Dioxane	<0.25	2.2	0.25	<0.070	0.60	0.070	
80-62-6	Methyl Methacrylate	<0.76	4.4	0.76	<0.19	1.1	0.19	
142-82-5	n-Heptane	**2.5**	2.2	0.34	**0.60**	0.53	0.083	
10061-01-5	cis-1,3-Dichloropropene	<0.33	2.1	0.33	<0.073	0.46	0.073	
108-10-1	4-Methyl-2-pentanone	<0.29	2.1	0.29	<0.071	0.52	0.071	
10061-02-6	trans-1,3-Dichloropropene	<0.44	2.1	0.44	<0.097	0.47	0.097	
79-00-5	1,1,2-Trichloroethane	<0.22	2.2	0.22	<0.040	0.40	0.040	
108-88-3	Toluene	**4.1**	2.2	0.26	**1.1**	0.57	0.069	
591-78-6	2-Hexanone	<0.26	2.2	0.26	<0.064	0.53	0.064	
124-48-1	Dibromochloromethane	<0.28	2.2	0.28	<0.033	0.25	0.033	
106-93-4	1,2-Dibromoethane	<0.25	2.2	0.25	<0.032	0.28	0.032	
123-86-4	n-Butyl Acetate	<0.29	2.2	0.29	<0.061	0.46	0.061	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-9** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-004

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS01002

Initial Pressure (psig): -1.94 Final Pressure (psig): 5.73

Canister Dilution Factor: 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.66**	2.2	0.48	**0.14**	0.46	0.10	**J**
127-18-4	Tetrachloroethene	**0.56**	2.1	0.28	**0.082**	0.31	0.041	**J**
108-90-7	Chlorobenzene	<0.28	2.2	0.28	<0.062	0.47	0.062	
100-41-4	Ethylbenzene	**1.5**	2.2	0.30	**0.35**	0.50	0.069	**J**
179601-23-1	m,p-Xylenes	**5.1**	4.4	0.56	**1.2**	1.0	0.13	
75-25-2	Bromoform	<0.44	2.2	0.44	<0.043	0.21	0.043	
100-42-5	Styrene	**0.53**	2.1	0.34	**0.12**	0.50	0.081	**J**
95-47-6	o-Xylene	**1.8**	2.2	0.31	**0.40**	0.50	0.071	**J**
111-84-2	n-Nonane	<0.36	2.2	0.36	<0.068	0.41	0.068	
79-34-5	1,1,2,2-Tetrachloroethane	<0.30	2.2	0.30	<0.043	0.31	0.043	
98-82-8	Cumene	<0.31	2.2	0.31	<0.063	0.44	0.063	
80-56-8	alpha-Pinene	<0.33	2.2	0.33	<0.059	0.39	0.059	
103-65-1	n-Propylbenzene	**0.44**	2.2	0.31	**0.090**	0.44	0.063	**J**
622-96-8	4-Ethyltoluene	**0.74**	2.2	0.34	**0.15**	0.44	0.069	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.61**	2.1	0.31	**0.12**	0.43	0.063	**J**
95-63-6	1,2,4-Trimethylbenzene	**2.9**	2.2	0.30	**0.59**	0.44	0.060	
100-44-7	Benzyl Chloride	<0.48	4.4	0.48	<0.093	0.85	0.093	
541-73-1	1,3-Dichlorobenzene	<0.32	2.2	0.32	<0.053	0.36	0.053	
106-46-7	1,4-Dichlorobenzene	<0.33	2.2	0.33	<0.055	0.36	0.055	
95-50-1	1,2-Dichlorobenzene	<0.32	2.2	0.32	<0.053	0.36	0.053	
5989-27-5	d-Limonene	**0.62**	2.2	0.44	**0.11**	0.39	0.079	**J**
96-12-8	1,2-Dibromo-3-chloropropane	<0.40	2.1	0.40	<0.041	0.22	0.041	
120-82-1	1,2,4-Trichlorobenzene	<0.52	2.2	0.52	<0.070	0.29	0.070	
91-20-3	Naphthalene	<0.52	2.1	0.52	<0.099	0.40	0.099	
87-68-3	Hexachlorobutadiene	<0.44	2.1	0.44	<0.041	0.20	0.041	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-15** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-005

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00178

Initial Pressure (psig): -2.06 Final Pressure (psig): 6.67

Canister Dilution Factor: 1.69

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.55	2.2	0.55	<0.32	1.3	0.32	
75-71-8	Dichlorodifluoromethane (CFC 12)	**1.9**	2.2	0.37	**0.38**	0.45	0.074	**J**
74-87-3	Chloromethane	<0.36	2.2	0.36	<0.18	1.1	0.18	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.35	2.2	0.35	<0.051	0.32	0.051	
75-01-4	Vinyl Chloride	<0.24	2.3	0.24	<0.094	0.89	0.094	
106-99-0	1,3-Butadiene	<0.37	2.2	0.37	<0.17	1.0	0.17	
74-83-9	Bromomethane	<0.31	2.3	0.31	<0.081	0.59	0.081	
75-00-3	Chloroethane	<0.28	2.3	0.28	<0.11	0.86	0.11	
64-17-5	Ethanol	**18**	22	1.6	**9.7**	12	0.83	**J**
75-05-8	Acetonitrile	**0.63**	2.2	0.55	**0.38**	1.3	0.33	**J**
107-02-8	Acrolein	**1.5**	4.2	0.63	**0.64**	1.8	0.28	**J**
67-64-1	Acetone	**55**	22	5.1	**23**	9.4	2.1	
75-69-4	Trichlorofluoromethane (CFC 11)	**9.2**	2.2	0.34	**1.6**	0.40	0.061	
67-63-0	2-Propanol (Isopropyl Alcohol)	**1.2**	8.9	0.93	**0.50**	3.6	0.38	**J**
107-13-1	Acrylonitrile	<0.46	2.2	0.46	<0.21	1.0	0.21	
75-35-4	1,1-Dichloroethene	<0.31	2.3	0.31	<0.079	0.58	0.079	
75-09-2	Methylene Chloride	<0.63	2.2	0.63	<0.18	0.64	0.18	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.30	2.3	0.30	<0.097	0.73	0.097	
76-13-1	Trichlorotrifluoroethane (CFC 113)	**0.47**	2.3	0.32	**0.061**	0.30	0.042	**J**
75-15-0	Carbon Disulfide	**29**	4.6	0.68	**9.4**	1.5	0.22	
156-60-5	trans-1,2-Dichloroethene	<0.31	2.3	0.31	<0.079	0.58	0.079	
75-34-3	1,1-Dichloroethane	<0.33	2.3	0.33	<0.081	0.57	0.081	
1634-04-4	Methyl tert-Butyl Ether	**7.9**	2.3	0.27	**2.2**	0.63	0.074	
108-05-4	Vinyl Acetate	<5.1	23	5.1	<1.4	6.5	1.4	
78-93-3	2-Butanone (MEK)	**9.3**	4.6	0.46	**3.2**	1.6	0.16	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-15** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-005

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00178

Initial Pressure (psig): -2.06 Final Pressure (psig): 6.67

Canister Dilution Factor: 1.69

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.32	2.2	0.32	<0.080	0.57	0.080	
141-78-6	Ethyl Acetate	<1.2	4.6	1.2	<0.33	1.3	0.33	
110-54-3	n-Hexane	<0.46	2.3	0.46	<0.13	0.65	0.13	
67-66-3	Chloroform	**3.3**	2.3	0.30	**0.68**	0.47	0.061	
109-99-9	Tetrahydrofuran (THF)	<0.28	2.3	0.28	<0.096	0.79	0.096	
107-06-2	1,2-Dichloroethane	<0.25	2.3	0.25	<0.062	0.56	0.062	
71-55-6	1,1,1-Trichloroethane	<0.28	2.3	0.28	<0.051	0.42	0.051	
71-43-2	Benzene	**0.43**	2.2	0.33	**0.13**	0.70	0.10	**J**
56-23-5	Carbon Tetrachloride	<0.31	2.2	0.31	<0.050	0.36	0.050	
110-82-7	Cyclohexane	<0.63	4.6	0.63	<0.18	1.4	0.18	
78-87-5	1,2-Dichloropropane	<0.28	2.3	0.28	<0.060	0.49	0.060	
75-27-4	Bromodichloromethane	<0.33	2.3	0.33	<0.049	0.34	0.049	
79-01-6	Trichloroethene	<0.30	2.3	0.30	<0.057	0.42	0.057	
123-91-1	1,4-Dioxane	**1.3**	2.3	0.27	**0.37**	0.63	0.074	**J**
80-62-6	Methyl Methacrylate	<0.80	4.6	0.80	<0.20	1.1	0.20	
142-82-5	n-Heptane	**2.6**	2.3	0.36	**0.63**	0.56	0.088	
10061-01-5	cis-1,3-Dichloropropene	<0.35	2.2	0.35	<0.077	0.48	0.077	
108-10-1	4-Methyl-2-pentanone	**0.40**	2.2	0.31	**0.098**	0.55	0.075	**J**
10061-02-6	trans-1,3-Dichloropropene	<0.46	2.2	0.46	<0.10	0.49	0.10	
79-00-5	1,1,2-Trichloroethane	<0.23	2.3	0.23	<0.042	0.42	0.042	
108-88-3	Toluene	**3.5**	2.3	0.27	**0.92**	0.61	0.073	
591-78-6	2-Hexanone	**0.73**	2.3	0.28	**0.18**	0.56	0.068	**J**
124-48-1	Dibromochloromethane	<0.30	2.3	0.30	<0.035	0.27	0.035	
106-93-4	1,2-Dibromoethane	<0.26	2.3	0.26	<0.034	0.30	0.034	
123-86-4	n-Butyl Acetate	<0.31	2.3	0.31	<0.065	0.49	0.065	

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MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **SG-11-15** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P2002526-005

Test Code: EPA TO-15 Date Collected: 5/6/20
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: 5/8/20
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.40 Liter(s)
Test Notes:
Container ID: 1SS00178

Initial Pressure (psig): -2.06 Final Pressure (psig): 6.67

Canister Dilution Factor: 1.69

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	**0.64**	2.3	0.51	**0.14**	0.49	0.11	**J**
127-18-4	Tetrachloroethene	<0.29	2.2	0.29	<0.043	0.32	0.043	
108-90-7	Chlorobenzene	<0.30	2.3	0.30	<0.065	0.50	0.065	
100-41-4	Ethylbenzene	**1.2**	2.3	0.32	**0.28**	0.53	0.073	**J**
179601-23-1	m,p-Xylenes	**4.0**	4.6	0.59	**0.93**	1.1	0.14	**J**
75-25-2	Bromoform	<0.46	2.3	0.46	<0.045	0.22	0.045	
100-42-5	Styrene	**0.46**	2.2	0.36	**0.11**	0.53	0.085	**J**
95-47-6	o-Xylene	**1.3**	2.3	0.33	**0.29**	0.53	0.075	**J**
111-84-2	n-Nonane	<0.38	2.3	0.38	<0.072	0.44	0.072	
79-34-5	1,1,2,2-Tetrachloroethane	<0.31	2.3	0.31	<0.046	0.33	0.046	
98-82-8	Cumene	<0.33	2.3	0.33	<0.066	0.46	0.066	
80-56-8	alpha-Pinene	<0.35	2.3	0.35	<0.062	0.41	0.062	
103-65-1	n-Propylbenzene	**0.39**	2.3	0.33	**0.080**	0.46	0.066	**J**
622-96-8	4-Ethyltoluene	**0.55**	2.3	0.36	**0.11**	0.46	0.073	**J**
108-67-8	1,3,5-Trimethylbenzene	**0.61**	2.2	0.33	**0.12**	0.46	0.066	**J**
95-63-6	1,2,4-Trimethylbenzene	**2.7**	2.3	0.31	**0.55**	0.46	0.064	
100-44-7	Benzyl Chloride	<0.51	4.6	0.51	<0.098	0.90	0.098	
541-73-1	1,3-Dichlorobenzene	<0.34	2.3	0.34	<0.056	0.38	0.056	
106-46-7	1,4-Dichlorobenzene	<0.35	2.3	0.35	<0.058	0.38	0.058	
95-50-1	1,2-Dichlorobenzene	<0.33	2.3	0.33	<0.056	0.38	0.056	
5989-27-5	d-Limonene	**2.6**	2.3	0.46	**0.46**	0.41	0.083	
96-12-8	1,2-Dibromo-3-chloropropane	<0.42	2.2	0.42	<0.044	0.23	0.044	
120-82-1	1,2,4-Trichlorobenzene	<0.55	2.3	0.55	<0.074	0.31	0.074	
91-20-3	Naphthalene	<0.55	2.2	0.55	<0.10	0.42	0.10	
87-68-3	Hexachlorobutadiene	<0.46	2.2	0.46	<0.044	0.21	0.044	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
J = The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002526

Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P200518-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/18/20

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
115-07-1	Propene	<0.13	0.53	0.13	<0.076	0.31	0.076	
75-71-8	Dichlorodifluoromethane (CFC 12)	<0.087	0.53	0.087	<0.018	0.11	0.018	
74-87-3	Chloromethane	<0.086	0.53	0.086	<0.042	0.26	0.042	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	<0.084	0.53	0.084	<0.012	0.076	0.012	
75-01-4	Vinyl Chloride	<0.057	0.54	0.057	<0.022	0.21	0.022	
106-99-0	1,3-Butadiene	<0.088	0.53	0.088	<0.040	0.24	0.040	
74-83-9	Bromomethane	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-00-3	Chloroethane	<0.066	0.54	0.066	<0.025	0.20	0.025	
64-17-5	Ethanol	<0.37	5.2	0.37	<0.20	2.8	0.20	
75-05-8	Acetonitrile	<0.13	0.53	0.13	<0.077	0.32	0.077	
107-02-8	Acrolein	<0.15	1.0	0.15	<0.065	0.44	0.065	
67-64-1	Acetone	<1.2	5.3	1.2	<0.51	2.2	0.51	
75-69-4	Trichlorofluoromethane (CFC 11)	<0.081	0.53	0.081	<0.014	0.094	0.014	
67-63-0	2-Propanol (Isopropyl Alcohol)	<0.22	2.1	0.22	<0.090	0.85	0.090	
107-13-1	Acrylonitrile	<0.11	0.53	0.11	<0.051	0.24	0.051	
75-35-4	1,1-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-09-2	Methylene Chloride	<0.15	0.53	0.15	<0.043	0.15	0.043	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	<0.072	0.54	0.072	<0.023	0.17	0.023	
76-13-1	Trichlorotrifluoroethane (CFC 113)	<0.076	0.54	0.076	<0.0099	0.070	0.0099	
75-15-0	Carbon Disulfide	<0.16	1.1	0.16	<0.051	0.35	0.051	
156-60-5	trans-1,2-Dichloroethene	<0.074	0.54	0.074	<0.019	0.14	0.019	
75-34-3	1,1-Dichloroethane	<0.078	0.55	0.078	<0.019	0.14	0.019	
1634-04-4	Methyl tert-Butyl Ether	<0.063	0.54	0.063	<0.017	0.15	0.017	
108-05-4	Vinyl Acetate	<1.2	5.4	1.2	<0.34	1.5	0.34	
78-93-3	2-Butanone (MEK)	<0.11	1.1	0.11	<0.037	0.37	0.037	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**

Client Sample ID: **Method Blank** ALS Project ID: P2002526

Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P200518-MB

Test Code: EPA TO-15 Date Collected: NA

Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA

Analyst: Wida Ang Date Analyzed: 5/18/20

Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)

Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	<0.075	0.53	0.075	<0.019	0.13	0.019	
141-78-6	Ethyl Acetate	<0.28	1.1	0.28	<0.078	0.31	0.078	
110-54-3	n-Hexane	<0.11	0.54	0.11	<0.031	0.15	0.031	
67-66-3	Chloroform	<0.071	0.54	0.071	<0.015	0.11	0.015	
109-99-9	Tetrahydrofuran (THF)	<0.067	0.55	0.067	<0.023	0.19	0.023	
107-06-2	1,2-Dichloroethane	<0.059	0.54	0.059	<0.015	0.13	0.015	
71-55-6	1,1,1-Trichloroethane	<0.066	0.54	0.066	<0.012	0.099	0.012	
71-43-2	Benzene	<0.077	0.53	0.077	<0.024	0.17	0.024	
56-23-5	Carbon Tetrachloride	<0.074	0.53	0.074	<0.012	0.084	0.012	
110-82-7	Cyclohexane	<0.15	1.1	0.15	<0.044	0.32	0.044	
78-87-5	1,2-Dichloropropane	<0.066	0.54	0.066	<0.014	0.12	0.014	
75-27-4	Bromodichloromethane	<0.077	0.54	0.077	<0.011	0.081	0.011	
79-01-6	Trichloroethene	<0.072	0.54	0.072	<0.013	0.10	0.013	
123-91-1	1,4-Dioxane	<0.063	0.54	0.063	<0.017	0.15	0.017	
80-62-6	Methyl Methacrylate	<0.19	1.1	0.19	<0.046	0.27	0.046	
142-82-5	n-Heptane	<0.085	0.54	0.085	<0.021	0.13	0.021	
10061-01-5	cis-1,3-Dichloropropene	<0.083	0.52	0.083	<0.018	0.11	0.018	
108-10-1	4-Methyl-2-pentanone	<0.073	0.53	0.073	<0.018	0.13	0.018	
10061-02-6	trans-1,3-Dichloropropene	<0.11	0.53	0.11	<0.024	0.12	0.024	
79-00-5	1,1,2-Trichloroethane	<0.054	0.54	0.054	<0.0099	0.099	0.0099	
108-88-3	Toluene	<0.065	0.54	0.065	<0.017	0.14	0.017	
591-78-6	2-Hexanone	<0.066	0.54	0.066	<0.016	0.13	0.016	
124-48-1	Dibromochloromethane	<0.070	0.54	0.070	<0.0082	0.063	0.0082	
106-93-4	1,2-Dibromoethane	<0.062	0.54	0.062	<0.0081	0.070	0.0081	
123-86-4	n-Butyl Acetate	<0.073	0.55	0.073	<0.015	0.12	0.015	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Method Blank** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P200518-MB

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 1.00 Liter(s)
Test Notes:

Canister Dilution Factor: 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	MDL µg/m³	Result ppbV	MRL ppbV	MDL ppbV	Data Qualifier
111-65-9	n-Octane	<0.12	0.54	0.12	<0.026	0.12	0.026	
127-18-4	Tetrachloroethene	<0.069	0.52	0.069	<0.010	0.077	0.010	
108-90-7	Chlorobenzene	<0.071	0.54	0.071	<0.015	0.12	0.015	
100-41-4	Ethylbenzene	<0.075	0.54	0.075	<0.017	0.12	0.017	
179601-23-1	m,p-Xylenes	<0.14	1.1	0.14	<0.032	0.25	0.032	
75-25-2	Bromoform	<0.11	0.54	0.11	<0.011	0.052	0.011	
100-42-5	Styrene	<0.086	0.53	0.086	<0.020	0.12	0.020	
95-47-6	o-Xylene	<0.077	0.54	0.077	<0.018	0.12	0.018	
111-84-2	n-Nonane	<0.089	0.54	0.089	<0.017	0.10	0.017	
79-34-5	1,1,2,2-Tetrachloroethane	<0.074	0.54	0.074	<0.011	0.079	0.011	
98-82-8	Cumene	<0.077	0.54	0.077	<0.016	0.11	0.016	
80-56-8	alpha-Pinene	<0.082	0.54	0.082	<0.015	0.097	0.015	
103-65-1	n-Propylbenzene	<0.077	0.54	0.077	<0.016	0.11	0.016	
622-96-8	4-Ethyltoluene	<0.085	0.54	0.085	<0.017	0.11	0.017	
108-67-8	1,3,5-Trimethylbenzene	<0.077	0.53	0.077	<0.016	0.11	0.016	
95-63-6	1,2,4-Trimethylbenzene	<0.074	0.54	0.074	<0.015	0.11	0.015	
100-44-7	Benzyl Chloride	<0.12	1.1	0.12	<0.023	0.21	0.023	
541-73-1	1,3-Dichlorobenzene	<0.080	0.54	0.080	<0.013	0.090	0.013	
106-46-7	1,4-Dichlorobenzene	<0.082	0.54	0.082	<0.014	0.090	0.014	
95-50-1	1,2-Dichlorobenzene	<0.079	0.54	0.079	<0.013	0.090	0.013	
5989-27-5	d-Limonene	<0.11	0.54	0.11	<0.020	0.097	0.020	
96-12-8	1,2-Dibromo-3-chloropropane	<0.10	0.53	0.10	<0.010	0.055	0.010	
120-82-1	1,2,4-Trichlorobenzene	<0.13	0.54	0.13	<0.018	0.073	0.018	
91-20-3	Naphthalene	<0.13	0.52	0.13	<0.025	0.099	0.025	
87-68-3	Hexachlorobutadiene	<0.11	0.53	0.11	<0.010	0.050	0.010	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

SURROGATE SPIKE RECOVERY RESULTS

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Project ID: P2002526

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date(s) Collected: 5/6/20
Analyst: Wida Ang Date(s) Received: 5/8/20
Sample Type: 1.0 L Silonite Summa Canister(s) Date(s) Analyzed: 5/18/20
Test Notes:

Client Sample ID	ALS Sample ID	1,2-Dichloroethane-d4 Percent Recovered	Toluene-d8 Percent Recovered	Bromofluorobenzene Percent Recovered	Acceptance Limits	Data Qualifier
Method Blank	P200518-MB	**95**	**99**	**107**	70-130	
Lab Control Sample	P200518-LCS	**91**	**98**	**112**	70-130	
SG-11-5	P2002526-002	**88**	**99**	**118**	70-130	
SG-11-13	P2002526-003	**88**	**102**	**104**	70-130	
SG-11-9	P2002526-004	**89**	**101**	**110**	70-130	
SG-11-15	P2002526-005	**90**	**101**	**110**	70-130	

Surrogate percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly from the on-column percent recovery.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P200518-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
115-07-1	Propene	210	**180**	**86**	51-133	
75-71-8	Dichlorodifluoromethane (CFC 12)	210	**171**	**81**	64-115	
74-87-3	Chloromethane	212	**185**	**87**	49-127	
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	206	**169**	**82**	65-114	
75-01-4	Vinyl Chloride	212	**165**	**78**	61-129	
106-99-0	1,3-Butadiene	212	**182**	**86**	54-140	
74-83-9	Bromomethane	212	**177**	**83**	68-120	
75-00-3	Chloroethane	214	**163**	**76**	63-123	
64-17-5	Ethanol	1,060	**709**	**67**	49-134	
75-05-8	Acetonitrile	214	**144**	**67**	50-137	
107-02-8	Acrolein	206	**170**	**83**	62-128	
67-64-1	Acetone	1,070	**815**	**76**	56-125	
75-69-4	Trichlorofluoromethane (CFC 11)	212	**170**	**80**	64-115	
67-63-0	2-Propanol (Isopropyl Alcohol)	422	**351**	**83**	57-133	
107-13-1	Acrylonitrile	212	**187**	**88**	64-136	
75-35-4	1,1-Dichloroethene	214	**186**	**87**	67-115	
75-09-2	Methylene Chloride	210	**171**	**81**	68-114	
107-05-1	3-Chloro-1-propene (Allyl Chloride)	214	**158**	**74**	55-139	
76-13-1	Trichlorotrifluoroethane (CFC 113)	216	**182**	**84**	65-115	
75-15-0	Carbon Disulfide	212	**163**	**77**	68-113	
156-60-5	trans-1,2-Dichloroethene	214	**185**	**86**	65-122	
75-34-3	1,1-Dichloroethane	212	**168**	**79**	63-118	
1634-04-4	Methyl tert-Butyl Ether	214	**218**	**102**	57-131	
108-05-4	Vinyl Acetate	1,070	**846**	**79**	71-128	
78-93-3	2-Butanone (MEK)	212	**178**	**84**	67-123	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P200518-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
156-59-2	cis-1,2-Dichloroethene	212	**177**	**83**	64-120	
141-78-6	Ethyl Acetate	432	**362**	**84**	64-131	
110-54-3	n-Hexane	216	**159**	**74**	58-125	
67-66-3	Chloroform	214	**172**	**80**	65-114	
109-99-9	Tetrahydrofuran (THF)	220	**180**	**82**	65-115	
107-06-2	1,2-Dichloroethane	214	**169**	**79**	59-119	
71-55-6	1,1,1-Trichloroethane	214	**180**	**84**	66-115	
71-43-2	Benzene	210	**168**	**80**	66-109	
56-23-5	Carbon Tetrachloride	208	**174**	**84**	66-119	
110-82-7	Cyclohexane	422	**353**	**84**	67-117	
78-87-5	1,2-Dichloropropane	214	**171**	**80**	66-119	
75-27-4	Bromodichloromethane	218	**182**	**83**	71-119	
79-01-6	Trichloroethene	216	**188**	**87**	70-114	
123-91-1	1,4-Dioxane	216	**196**	**91**	71-117	
80-62-6	Methyl Methacrylate	430	**384**	**89**	76-121	
142-82-5	n-Heptane	214	**178**	**83**	66-119	
10061-01-5	cis-1,3-Dichloropropene	214	**214**	**100**	72-125	
108-10-1	4-Methyl-2-pentanone	212	**195**	**92**	68-130	
10061-02-6	trans-1,3-Dichloropropene	212	**205**	**97**	71-132	
79-00-5	1,1,2-Trichloroethane	214	**194**	**91**	70-117	
108-88-3	Toluene	212	**178**	**84**	67-113	
591-78-6	2-Hexanone	216	**193**	**89**	62-135	
124-48-1	Dibromochloromethane	214	**195**	**91**	73-126	
106-93-4	1,2-Dibromoethane	214	**197**	**92**	71-122	
123-86-4	n-Butyl Acetate	218	**212**	**97**	65-134	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

ALS ENVIRONMENTAL

LABORATORY CONTROL SAMPLE SUMMARY

Client: **Dr. Katz Technologies & Enterprises (KTE)**
Client Sample ID: **Lab Control Sample** ALS Project ID: P2002526
Client Project ID: **ECOLOG SDE DOV / KTE-37-20-Simi** ALS Sample ID: P200518-LCS

Test Code: EPA TO-15 Date Collected: NA
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13 Date Received: NA
Analyst: Wida Ang Date Analyzed: 5/18/20
Sample Type: 1.0 L Silonite Summa Canister Volume(s) Analyzed: 0.125 Liter(s)
Test Notes:

CAS #	Compound	Spike Amount µg/m³	Result µg/m³	% Recovery	ALS Acceptance Limits	Data Qualifier
111-65-9	n-Octane	216	**179**	**83**	63-120	
127-18-4	Tetrachloroethene	208	**179**	**86**	64-120	
108-90-7	Chlorobenzene	214	**180**	**84**	65-116	
100-41-4	Ethylbenzene	212	**186**	**88**	65-117	
179601-23-1	m,p-Xylenes	426	**367**	**86**	64-121	
75-25-2	Bromoform	214	**214**	**100**	72-130	
100-42-5	Styrene	212	**207**	**98**	72-126	
95-47-6	o-Xylene	214	**185**	**86**	64-120	
111-84-2	n-Nonane	214	**178**	**83**	56-132	
79-34-5	1,1,2,2-Tetrachloroethane	214	**187**	**87**	66-122	
98-82-8	Cumene	214	**186**	**87**	64-121	
80-56-8	alpha-Pinene	212	**183**	**86**	62-136	
103-65-1	n-Propylbenzene	214	**189**	**88**	65-123	
622-96-8	4-Ethyltoluene	210	**189**	**90**	71-126	
108-67-8	1,3,5-Trimethylbenzene	212	**188**	**89**	65-120	
95-63-6	1,2,4-Trimethylbenzene	212	**202**	**95**	63-129	
100-44-7	Benzyl Chloride	214	**206**	**96**	66-138	
541-73-1	1,3-Dichlorobenzene	214	**195**	**91**	65-127	
106-46-7	1,4-Dichlorobenzene	214	**193**	**90**	65-125	
95-50-1	1,2-Dichlorobenzene	214	**198**	**93**	67-128	
5989-27-5	d-Limonene	212	**202**	**95**	65-136	
96-12-8	1,2-Dibromo-3-chloropropane	214	**217**	**101**	73-133	
120-82-1	1,2,4-Trichlorobenzene	216	**229**	**106**	62-140	
91-20-3	Naphthalene	212	**251**	**118**	57-149	
87-68-3	Hexachlorobutadiene	214	**200**	**93**	57-129	

Laboratory Control Sample percent recovery is verified and accepted based on the on-column result.
Reported results are shown in concentration units and as a result of the calculation, may vary slightly.

Response Factor Report MS13

Method Path : I:\MS13\METHODS\
Method File : R13051120.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
Last Update : Mon May 11 18:45:35 2020
Response Via : Initial Calibration

Calibration Files
0.1 =05112010.D 0.2 =05112011.D 0.5 =05112012.D 1.0 =05112013.D 5.0 =05112014.D 25 =05112015.D 50 =05112016.D
100 =05112017.D

		Compound	0.1	0.2	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane...	----------ISTD----------									
2)	T	Propene	1.934	1.664	1.926	1.779	1.954	1.763	1.797	1.818	1.829	5.52
3)	T	Dichlorodifluo...	2.839	2.630	2.729	2.672	2.716	2.447	2.422	2.118	2.572	8.99
4)	T	Chloromethane	2.165	2.075	2.313	2.396	2.041	2.107	1.938	1.144	2.022	18.99
5)	T	1,2-Dichloro-1...	1.439	1.339	1.458	1.398	1.383	1.291	1.320	1.204	1.354	6.16
6)	T	Vinyl Chloride	2.052	1.909	2.331	2.217	2.201	2.050	2.162	1.793	2.089	8.40
7)	T	1,3-Butadiene	1.670	1.683	1.709	1.788	1.688	1.573	1.629	1.351	1.636	7.99
8)	T	Bromomethane	0.975	1.099	1.286	1.222	1.241	1.159	1.185	1.017	1.148	9.54
9)	T	Chloroethane	1.016	1.088	1.166	1.076	1.186	1.007	1.078	0.901	1.065	8.57
10)	T	Ethanol	1.472	1.371	1.355	1.479	1.095	0.954	1.038	0.875	1.205	20.05
11)	T	Acetonitrile	3.620	3.494	3.421	3.737	3.355	2.807	3.156	2.852	3.305	10.31
12)	T	Acrolein	0.769	0.827	0.975	0.992	1.005	0.865	0.944	0.875	0.907	9.43
13)	T	Acetone		1.398	1.291	1.189	1.206	0.987	1.018	0.867	1.137	16.41
14)	T	Trichlorofluor...	2.187	2.239	2.290	2.142	2.182	1.907	1.984	1.846	2.097	7.78
15)	T	2-Propanol (Is...	4.372	3.988	3.980	3.825	4.093	3.536	3.728	2.756	3.785	12.80
16)	T	Acrylonitrile	1.312	1.625	1.937	1.957	2.185	1.911	2.082	1.990	1.875	14.86
17)	T	1,1-Dichloroet...	1.117	1.083	1.272	1.220	1.289	1.184	1.234	1.199	1.200	5.94
18)	T	2-Methyl-2-Pro...	2.397	2.376	2.707	2.662	2.870	2.711	2.906	2.720	2.669	7.25
19)	T	Methylene Chlo...	1.453	1.392	1.440	1.380	1.432	1.290	1.348	1.287	1.378	4.72
20)	T	3-Chloro-1-pro...	2.608	2.481	2.750	2.609	2.665	2.691	2.474	2.301	2.572	5.65
21)	T	Trichlorotrifl...	1.186	1.118	1.169	1.117	1.143	1.107	1.097	1.084	1.128	3.15
22)	T	Carbon Disulfide		6.726	6.033	5.454	5.211	5.016	4.878	4.629	5.421	13.49
23)	T	trans-1,2-Dich...	1.682	1.760	1.926	1.873	2.034	1.997	1.956	1.861	1.886	6.30
24)	T	1,1-Dichloroet...	2.523	2.432	2.623	2.520	2.551	2.444	2.375	2.229	2.462	4.95
25)	T	Methyl tert-Bu...	2.745	2.750	3.067	3.030	3.231	3.211	3.230	3.178	3.055	6.67
26)	T	Vinyl Acetate			0.316	0.313	0.344	0.341	0.330	0.300	0.324	5.33
27)	T	2-Butanone (MEK)			0.891	0.919	1.008	0.996	0.977	0.931	0.954	4.87
28)	T	cis-1,2-Dichlo...	1.819	1.753	1.960	1.882	1.941	1.911	1.859	1.757	1.860	4.23
29)	T	Diisopropyl Ether	1.052	1.102	1.316	1.277	1.333	1.117	1.067	0.955	1.152	12.07
30)	T	Ethyl Acetate		0.421	0.527	0.518	0.571	0.541	0.507	0.444	0.504	10.56
31)	T	n-Hexane	2.535	2.480	2.659	2.517	2.632	2.428	2.259	1.968	2.435	9.27
32)	T	Chloroform	2.217	2.152	2.342	2.181	2.220	2.141	2.097	2.002	2.169	4.58
33)	S	1,2-Dichloroet...	1.589	1.579	1.570	1.573	1.580	1.550	1.544	1.515	1.562	1.56
34)	T	Tetrahydrofura...	0.840	0.853	0.958	0.915	0.962	0.931	0.916	0.877	0.907	5.04
35)	T	Ethyl tert-But...	0.964	1.047	1.280	1.234	1.283	1.265	1.235	1.180	1.186	9.97
36)	T	1,2-Dichloroet...	1.750	1.622	1.687	1.630	1.674	1.614	1.562	1.475	1.627	5.12
37)	IR	1,4-Difluorobenzen...	----------ISTD----------									
38)	T	1,1,1-Trichlor...	0.406	0.395	0.419	0.398	0.412	0.406	0.395	0.376	0.401	3.29
39)	T	Isopropyl Acetate	0.163	0.175	0.201	0.197	0.216	0.210	0.199	0.178	0.192	9.45
40)	T	1-Butanol			0.228	0.251	0.307	0.339	0.326	0.290	0.290	14.82
41)	T	Benzene	1.387	1.280	1.340	1.256	1.269	1.224	1.172	1.035	1.245	8.62
42)	T	Carbon Tetrach...	0.361	0.356	0.383	0.361	0.369	0.372	0.361	0.346	0.364	3.05

WA 5/12/20

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Method Path : I:\MS13\METHODS\
Method File : R13051120.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

43)	T	Cyclohexane	0.460	0.445	0.492	0.472	0.481	0.469	0.448	0.407	0.459	5.74
44)	T	tert-Amyl Meth...	0.672	0.654	0.720	0.681	0.709	0.707	0.680	0.631	0.682	4.38
45)	T	1,2-Dichloropr...	0.323	0.323	0.338	0.321	0.326	0.320	0.308	0.289	0.319	4.58
46)	T	Bromodichlorom...	0.351	0.353	0.393	0.359	0.381	0.380	0.370	0.352	0.367	4.33
47)	T	Trichloroethene	0.321	0.279	0.300	0.289	0.307	0.308	0.304	0.295	0.300	4.25
48)	T	1,4-Dioxane	0.193	0.193	0.232	0.230	0.250	0.251	0.248	0.238	0.229	10.33
49)	T	2,2,4-Trimethy...	1.341	1.256	1.423	1.307	1.313	1.271	1.209	1.088	1.276	7.74
50)	T	Methyl Methacr...			0.098	0.109	0.122	0.124	0.122	0.116	0.115	8.67
51)	T	n-Heptane	0.279	0.295	0.337	0.320	0.328	0.321	0.311	0.289	0.310	6.57
52)	T	cis-1,3-Dichlo...	0.355	0.410	0.450	0.452	0.500	0.513	0.501	0.470	0.456	11.62
53)	T	4-Methyl-2-pen...			0.256	0.274	0.311	0.315	0.304	0.282	0.290	8.06
54)	T	trans-1,3-Dich...		0.289	0.371	0.380	0.439	0.457	0.445	0.420	0.400	14.68
55)	T	1,1,2-Trichlor...	0.265	0.252	0.285	0.274	0.282	0.279	0.274	0.262	0.272	4.10
56)	IR	Chlorobenzene-d5 (...	----------ISTD----------									
57)	S	Toluene-d8 (SS2)	2.431	2.448	2.424	2.418	2.423	2.421	2.401	2.390	2.420	0.73
58)	T	Toluene	2.687	2.552	2.639	2.501	2.555	2.473	2.386	2.178	2.496	6.38
59)	T	2-Hexanone		1.024	1.253	1.357	1.566	1.567	1.497	1.355	1.374	14.15
60)	T	Dibromochlorom...	0.571	0.583	0.615	0.595	0.650	0.660	0.653	0.629	0.620	5.49
61)	T	1,2-Dibromoethane	0.506	0.521	0.597	0.587	0.638	0.639	0.629	0.600	0.589	8.66
62)	T	n-Butyl Acetate			1.257	1.413	1.711	1.736	1.672	1.507	1.549	12.30
63)	T	n-Octane	0.494	0.547	0.599	0.592	0.618	0.591	0.568	0.513	0.565	7.77
64)	T	Tetrachloroethene	0.683	0.667	0.714	0.676	0.678	0.682	0.675	0.663	0.680	2.28
65)	T	Chlorobenzene	1.797	1.676	1.706	1.602	1.634	1.604	1.560	1.452	1.629	6.30
66)	T	Ethylbenzene	2.656	2.580	2.715	2.645	2.818	2.774	2.663	2.395	2.656	4.89
67)	T	m- & p-Xylenes	2.070	2.027	2.190	2.123	2.158	2.131	2.048	1.820	2.071	5.59
68)	T	Bromoform	0.381	0.401	0.466	0.474	0.525	0.561	0.572	0.562	0.493	15.11
69)	T	Styrene	1.159	1.301	1.520	1.541	1.701	1.735	1.699	1.579	1.529	13.36
70)	T	o-Xylene	2.025	2.009	2.241	2.125	2.202	2.178	2.109	1.913	2.100	5.27
71)	T	n-Nonane	1.196	1.237	1.443	1.428	1.497	1.427	1.334	1.134	1.337	9.96
72)	T	1,1,2,2-Tetrac...	0.971	1.007	1.082	1.034	1.074	1.065	1.034	0.952	1.027	4.64
73)	S	Bromofluoroben...	0.663	0.662	0.668	0.671	0.682	0.689	0.684	0.705	0.678	2.17
74)	T	Cumene	2.690	2.657	2.752	2.663	2.794	2.721	2.608	2.332	2.652	5.35
75)	T	alpha-Pinene	1.273	1.283	1.368	1.353	1.486	1.441	1.390	1.250	1.356	6.15
76)	T	n-Propylbenzene	3.030	3.015	3.340	3.281	3.423	3.330	3.167	2.754	3.167	7.04
77)	T	3-Ethyltoluene	2.324	2.363	2.574	2.549	2.728	2.678	2.704	2.317	2.530	6.84
78)	T	4-Ethyltoluene	2.430	2.360	2.747	2.624	2.688	2.727	2.490	2.325	2.549	6.63
79)	T	1,3,5-Trimethy...	2.094	2.133	2.310	2.219	2.234	2.288	2.208	2.018	2.188	4.54
80)	T	alpha-Methylst...	0.884	0.932	1.089	1.103	1.211	1.212	1.190	1.112	1.092	11.35
81)	T	2-Ethyltoluene	2.439	2.484	2.727	2.607	2.678	2.684	2.575	2.313	2.563	5.55
82)	T	1,2,4-Trimethy...	1.741	1.872	2.169	2.134	2.230	2.334	2.222	1.916	2.077	10.02
83)	T	n-Decane	0.967	0.997	1.299	1.275	1.314	1.429	1.336	1.147	1.221	13.64
84)	T	Benzyl Chloride	1.345	1.394	1.661	1.650	1.863	2.097	2.056	1.873	1.743	16.09
85)	T	1,3-Dichlorobe...	1.289	1.242	1.277	1.217	1.279	1.376	1.359	1.293	1.292	4.14
86)	T	1,4-Dichlorobe...	1.385	1.253	1.276	1.225	1.273	1.370	1.365	1.305	1.307	4.60
87)	T	sec-Butylbenzene	2.837	2.895	3.087	2.993	3.127	3.118	2.956	2.607	2.953	5.92
88)	T	4-Isopropyltol...	2.283	2.334	2.685	2.618	2.786	2.842	2.647	2.168	2.545	9.81
89)	T	1,2,3-Trimethy...	1.820	1.891	2.238	2.129	2.213	2.362	2.250	1.924	2.103	9.45
90)	T	1,2-Dichlorobe...	1.167	1.177	1.245	1.169	1.231	1.323	1.306	1.190	1.226	5.02
91)	T	d-Limonene	0.683	0.769	0.886	0.920	1.000	0.981	0.925	0.781	0.868	12.92
92)	T	1,2-Dibromo-3-...	0.296	0.345	0.366	0.379	0.430	0.488	0.491	0.481	0.409	18.08
93)	T	n-Undecane			0.651	0.687	0.787	1.448	1.371	1.163	1.018	34.82
94)	T	1,2,4-Trichlor...			0.609	0.618	0.688	0.971	0.990	0.964	0.807	23.14

Method Path : I:\MS13\METHODS\
Method File : R13051120.M
Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)

95)	T	Naphthalene			1.586	1.670	1.923	3.051	3.020	2.665	2.319	29.00
96)	T	n-Dodecane		0.148	0.135	0.156	0.215	1.266	1.210	1.006	0.591	91.30
97)	T	Hexachlorobuta...	0.552	0.562	0.571	0.537	0.566	0.615	0.633	0.635	0.584	6.53
98)	T	Cyclohexanone	0.711	0.765	0.839	0.868	0.978	1.001	0.979	0.901	0.880	12.00
99)	T	tert-Butylbenzene	1.980	2.075	2.230	2.151	2.253	2.254	2.120	1.813	2.110	7.24
100)	T	n-Butylbenzene	1.874	1.941	2.312	2.285	2.438	2.524	2.401	2.100	2.234	10.64

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\18\05182001.D Vial: 1
Acq On : 18 May 2020 5:34 Operator: WA
Sample : CCV R13051820 25ng Inst : MS13
Misc : S34-05112003/S34-04242001 (5/23)

Quant Time: May 18 07:38:56 2020
Quant Method : I:\MS13\METHODS\R13051120.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Tue May 12 06:07:00 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

5/18/20

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	IR	Bromochloromethane (IS1)	1.000	1.000	0.0	115	0.00
2	T	Propene	1.829	1.515	17.2	99	0.00
3	T	Dichlorodifluoromethane (CF	2.572	2.082	19.1	98	0.00
4	T	Chloromethane	2.022	2.021	0.0	110	0.00
5	T	1,2-Dichloro-1,1,2,2-tetraf	1.354	1.098	18.9	98	0.00
6	T	Vinyl Chloride	2.089	1.663	20.4	93	0.00
7	T	1,3-Butadiene	1.636	1.354	17.2	99	0.00
8	T	Bromomethane	1.148	1.016	11.5	101	0.00
9	T	Chloroethane	1.065	0.894	16.1	102	0.00
10	T	Ethanol	1.205	0.877	27.2	106	0.00
11	T	Acetonitrile	3.305	2.405	27.2	98	0.00
12	T	Acrolein	0.907	0.777	14.3	103	0.00
13	T	Acetone	1.137	0.861	24.3	100	0.00
14	T	Trichlorofluoromethane	2.097	1.639	21.8	99	0.00
15	T	2-Propanol (Isopropanol)	3.785	3.037	19.8	99	0.00
16	T	Acrylonitrile	1.875	1.623	13.4	97	0.00
17	T	1,1-Dichloroethene	1.200	1.038	13.5	101	0.00
18	T	2-Methyl-2-Propanol (tert-B	2.669	2.651	0.7	112	0.00
19	T	Methylene Chloride	1.378	1.110	19.4	99	0.00
20	T	3-Chloro-1-propene (Allyl C	2.572	1.950	24.2	83	0.00
21	T	Trichlorotrifluoroethane	1.128	0.925	18.0	96	0.00
22	T	Carbon Disulfide	5.421	4.103	24.3	94	0.00
23	T	trans-1,2-Dichloroethene	1.886	1.575	16.5	90	0.00
24	T	1,1-Dichloroethane	2.462	2.012	18.3	94	0.00
25	T	Methyl tert-Butyl Ether	3.055	3.152	-3.2	113	0.00
26	T	Vinyl Acetate	0.324	0.254	21.6	86	0.00
27	T	2-Butanone (MEK)	0.954	0.829	13.1	96	0.00
28	T	cis-1,2-Dichloroethene	1.860	1.598	14.1	96	0.00
29	T	Diisopropyl Ether	1.152	0.929	19.4	95	0.00
30	T	Ethyl Acetate	0.504	0.464	7.9	98	0.00
31	T	n-Hexane	2.435	1.929	20.8	91	0.00
32	T	Chloroform	2.169	1.815	16.3	97	0.00
33	S	1,2-Dichloroethane-d4(SS1)	1.562	1.553	0.6	115	0.00
34	T	Tetrahydrofuran (THF)	0.907	0.789	13.0	97	0.00
35	T	Ethyl tert-Butyl Ether	1.186	1.192	-0.5	108	0.00
36	T	1,2-Dichloroethane	1.627	1.348	17.1	96	0.00
37	IR	1,4-Difluorobenzene (IS2)	1.000	1.000	0.0	112	0.00
38	T	1,1,1-Trichloroethane	0.401	0.347	13.5	96	0.00
39	T	Isopropyl Acetate	0.192	0.174	9.4	93	0.00
40	T	1-Butanol	0.290	0.216	25.5	72	0.00
41	T	Benzene	1.245	1.046	16.0	96	0.00
42	T	Carbon Tetrachloride	0.364	0.304	16.5	92	0.00
43	T	Cyclohexane	0.459	0.399	13.1	96	0.00
44	T	tert-Amyl Methyl Ether	0.682	0.661	3.1	105	0.00
45	T	1,2-Dichloropropane	0.319	0.267	16.3	94	0.00
46	T	Bromodichloromethane	0.367	0.326	11.2	96	0.00
47	T	Trichloroethene	0.300	0.267	11.0	98	0.00
48	T	1,4-Dioxane	0.229	0.213	7.0	96	0.00
49	T	2,2,4-Trimethylpentane (Iso	1.276	1.118	12.4	99	0.00
50	T	Methyl Methacrylate	0.115	0.105	8.7	96	0.00
51	T	n-Heptane	0.310	0.264	14.8	92	0.00
52	T	cis-1,3-Dichloropropene	0.456	0.435	4.6	95	0.00
53	T	4-Methyl-2-pentanone	0.290	0.260	10.3	93	0.00
54	T	trans-1,3-Dichloropropene	0.400	0.383	4.3	94	0.00
55	T	1,1,2-Trichloroethane	0.272	0.240	11.8	97	0.00

Evaluate Continuing Calibration Report

Data File : I:\MS13\DATA\2020 05\18\05182001.D Vial: 1
Acq On : 18 May 2020 5:34 Operator: WA
Sample : CCV R13051820 25ng Inst : MS13
Misc : S34-05112003/S34-04242001 (5/23)

Quant Time: May 18 07:38:56 2020
Quant Method : I:\MS13\METHODS\R13051120.M
Quant Title : EPA TO-15 per SOP VOA-TO15 (CASS TO-15/GC-MS)
QLast Update : Tue May 12 06:07:00 2020
Response via : Initial Calibration
DataAcq Meth:TO15.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
56	IR	Chlorobenzene-d5 (IS3)	1.000	1.000	0.0	119	0.00
57	S	Toluene-d8 (SS2)	2.420	2.348	3.0	116	0.00
58	T	Toluene	2.496	1.979	20.7	95	0.00
59	T	2-Hexanone	1.374	1.191	13.3	91	0.00
60	T	Dibromochloromethane	0.620	0.540	12.9	98	0.00
61	T	1,2-Dibromoethane	0.589	0.522	11.4	98	0.00
62	T	n-Butyl Acetate	1.549	1.591	-2.7	109	0.00
63	T	n-Octane	0.565	0.450	20.4	91	0.00
64	T	Tetrachloroethene	0.680	0.558	17.9	98	0.00
65	T	Chlorobenzene	1.629	1.305	19.9	97	0.00
66	T	Ethylbenzene	2.656	2.212	16.7	95	0.00
67	T	m- & p-Xylenes	2.071	1.688	18.5	95	0.00
68	T	Bromoform	0.493	0.466	5.5	99	0.00
69	T	Styrene	1.529	1.398	8.6	96	0.00
70	T	o-Xylene	2.100	1.736	17.3	95	0.00
71	T	n-Nonane	1.337	1.073	19.7	90	0.00
72	T	1,1,2,2-Tetrachloroethane	1.027	0.840	18.2	94	0.00
73	S	Bromofluorobenzene (SS3)	0.678	0.728	-7.4	126	0.00
74	T	Cumene	2.652	2.184	17.6	96	0.00
75	T	alpha-Pinene	1.356	1.137	16.2	94	0.00
76	T	n-Propylbenzene	3.167	2.654	16.2	95	0.00
77	T	3-Ethyltoluene	2.530	2.318	8.4	103	0.00
78	T	4-Ethyltoluene	2.549	2.029	20.4	89	0.00
79	T	1,3,5-Trimethylbenzene	2.188	1.821	16.8	95	0.00
80	T	alpha-Methylstyrene	1.092	1.029	5.8	101	0.00
81	T	2-Ethyltoluene	2.563	2.143	16.4	95	0.00
82	T	1,2,4-Trimethylbenzene	2.077	1.847	11.1	94	0.00
83	T	n-Decane	1.221	1.101	9.8	92	0.00
84	T	Benzyl Chloride	1.743	1.526	12.4	87	0.00
85	T	1,3-Dichlorobenzene	1.292	1.104	14.6	96	0.00
86	T	1,4-Dichlorobenzene	1.307	1.114	14.8	97	0.00
87	T	sec-Butylbenzene	2.953	2.451	17.0	94	0.00
88	T	4-Isopropyltoluene (p-Cymen	2.545	2.258	11.3	95	0.00
89	T	1,2,3-Trimethylbenzene	2.103	1.868	11.2	94	0.00
90	T	1,2-Dichlorobenzene	1.226	1.059	13.6	95	0.00
91	T	d-Limonene	0.868	0.783	9.8	95	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.409	0.382	6.6	93	0.00
93	T	n-Undecane	1.018	1.141	-12.1	94	0.00
94	T	1,2,4-Trichlorobenzene	0.807	0.809	-0.2	99	0.00
95	T	Naphthalene	2.319	2.580	-11.3	101	0.00
96	T	n-Dodecane	0.591	1.099	-86.0#	104	0.00
97	T	Hexachlorobutadiene	0.584	0.497	14.9	96	0.00
98	T	Cyclohexanone	0.880	0.745	15.3	89	0.00
99	T	tert-Butylbenzene	2.110	1.784	15.5	94	0.00
100	T	n-Butylbenzene	2.234	1.985	11.1	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

אנליזות קרקע

CERTIFICATE OF ANALYSIS

Work Order	: **PR2029448**	Issue Date	: 03-Apr-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
Address	: Hameginim Ave. 53 3326518 Haifa	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-91-20	Page	: 1 of 10
Order number	: ----	Date Samples Received	: 25-Mar-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 25-Mar-2020 - 03-Apr-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Sample(s) PR2029448/021,023, method S-TPHFID14 - contain(s) high-boiling hydrocarbons with retention time higher than retention time of C40.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories	*Position*
Zdeněk Jirák	Environmental Business Unit Manager

Analytical Results

Sub-Matrix: **SOIL**			Client sample ID	K14.27-0.5m		K14.27-3m		K14.26-0.5m	
			Laboratory sample ID	PR2029448-001		PR2029448-002		PR2029448-003	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.3**	± 6.0%	**96.6**	± 6.0%	**95.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**768**	± 20.0%	**----**	----	**1230**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.60**	± 20.0%	**----**	----	**1.20**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**10.5**	± 20.0%	**----**	----	**11.2**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.029**	± 20.0%	**----**	----	**0.039**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.6**	± 20.0%	**----**	----	**1.4**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**77300**	± 20.0%	**----**	----	**35800**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.73**	± 20.0%	**----**	----	**3.60**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.75**	± 20.0%	**----**	----	**0.88**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**4.0**	± 20.0%	**----**	----	**1.0**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**1300**	± 20.0%	**----**	----	**1400**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**2.6**	± 20.0%	**----**	----	**2.6**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**1.2**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1430**	± 20.0%	**----**	----	**933**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**89.7**	± 20.0%	**----**	----	**59.3**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**4.2**	± 20.0%	**----**	----	**3.6**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**95.9**	± 20.0%	**----**	----	**95.0**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**141**	± 20.0%	**----**	----	**201**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**205**	± 20.0%	**----**	----	**240**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**269**	± 20.0%	**----**	----	**132**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**332**	± 20.0%	**----**	----	**115**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**131**	± 20.0%	**----**	----	**60**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**77.8**	± 20.0%	**----**	----	**64.2**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**9.41**	± 20.0%	**----**	----	**6.04**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**10.9**	± 20.0%	**----**	----	**5.1**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.26-3m		K14.28-0.5m		K14.28-3m	
			Laboratory sample ID	PR2029448-004		PR2029448-005		PR2029448-006	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**94.8**	± 6.0%	**96.3**	± 6.0%	**89.5**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1210**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**2.19**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**13.0**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.040**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.26-3m**		**K14.28-0.5m**		**K14.28-3m**	
			Laboratory sample ID	*PR2029448-004*		*PR2029448-005*		*PR2029448-006*	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.2**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**45900**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**3.80**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.04**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.6**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**1500**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.1**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.3**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**798**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**78.9**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**17.8**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**103**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**195**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**275**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**146**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**169**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**60**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**74.7**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**19.2**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**8.1**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.25-0.5m**		**K14.25-3m**		**K14.24-0.5m**	
			Laboratory sample ID	*PR2029448-007*		*PR2029448-008*		*PR2029448-009*	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**95.4**	± 6.0%	**95.6**	± 6.0%	**96.3**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1140**	± 20.0%	**----**	----	**931**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.09**	± 20.0%	**----**	----	**1.11**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**11.4**	± 20.0%	**----**	----	**10.6**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.041**	± 20.0%	**----**	----	**0.024**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**44700**	± 20.0%	**----**	----	**36700**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.32**	± 20.0%	**----**	----	**3.41**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.80**	± 20.0%	**----**	----	**0.85**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**1.2**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**1380**	± 20.0%	**----**	----	**1240**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**1.1**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**1.1**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**643**	± 20.0%	**----**	----	**713**	± 20.0%

Sub-Matrix: **SOIL**			Client sample ID	K14.25-0.5m		K14.25-3m		K14.24-0.5m	
			Laboratory sample ID	PR2029448-007		PR2029448-008		PR2029448-009	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Manganese	S-METAXHB1	0.50	mg/kg DW	**61.9**	± 20.0%	----	----	**69.6**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.3**	± 20.0%	----	----	**2.8**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**89.7**	± 20.0%	----	----	**72.5**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**185**	± 20.0%	----	----	**163**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**268**	± 20.0%	----	----	**222**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**139**	± 20.0%	----	----	**129**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**164**	± 20.0%	----	----	**128**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**51**	± 20.0%	----	----	**59**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**57.3**	± 20.0%	----	----	**61.2**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**3.34**	± 20.0%	----	----	**11.2**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	----	----	**5.2**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.24-3m		K14.23-0.5m		K14.23-3m	
			Laboratory sample ID	PR2029448-010		PR2029448-011		PR2029448-012	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**92.2**	± 6.0%	**95.9**	± 6.0%	**96.0**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	**995**	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	**0.89**	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	**11.2**	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	**0.025**	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	**1.1**	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	**34600**	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	**4.12**	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	**0.98**	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	**3.0**	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	**1420**	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	**2.4**	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	**1.1**	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	**740**	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	**64.5**	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	**11.4**	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	**90.5**	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	**164**	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	**287**	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	**147**	± 20.0%	----	----

Sub-Matrix: **SOIL**			Client sample ID	K14.24-3m		K14.23-0.5m		K14.23-3m	
			Laboratory sample ID	PR2029448-010		PR2029448-011		PR2029448-012	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**129**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**65**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**73.4**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**16.1**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**11.5**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.22-0.5m		K14.22-3m		K14.21-0.5m	
			Laboratory sample ID	PR2029448-013		PR2029448-014		PR2029448-015	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**95.0**	± 6.0%	**95.5**	± 6.0%	**96.2**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1030**	± 20.0%	**----**	----	**1450**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**0.70**	± 20.0%	**----**	----	**1.40**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**11.2**	± 20.0%	**----**	----	**12.7**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.031**	± 20.0%	**----**	----	**0.040**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.0**	± 20.0%	**----**	----	**1.4**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**50000**	± 20.0%	**----**	----	**61400**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**4.82**	± 20.0%	**----**	----	**4.93**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.95**	± 20.0%	**----**	----	**0.99**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**4.1**	± 20.0%	**----**	----	**4.4**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**1320**	± 20.0%	**----**	----	**2250**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**5.8**	± 20.0%	**----**	----	**4.0**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.1**	± 20.0%	**----**	----	**1.5**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**850**	± 20.0%	**----**	----	**1840**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**63.3**	± 20.0%	**----**	----	**82.6**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**18.3**	± 20.0%	**----**	----	**5.9**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**97.8**	± 20.0%	**----**	----	**136**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**177**	± 20.0%	**----**	----	**227**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**304**	± 20.0%	**----**	----	**261**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**198**	± 20.0%	**----**	----	**238**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**163**	± 20.0%	**----**	----	**207**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**81**	± 20.0%	**----**	----	**113**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**59.4**	± 20.0%	**----**	----	**84.3**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**23.6**	± 20.0%	**----**	----	**8.98**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**16.3**	± 20.0%	**----**	----	**94.9**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									

Sub-Matrix: SOIL			Client sample ID	K14.22-0.5m		K14.22-3m		K14.21-0.5m	
			Laboratory sample ID	PR2029448-013		PR2029448-014		PR2029448-015	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Total Petroleum Hydrocarbons - Continued									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: SOIL			Client sample ID	K14.21-3m		K14.20-0.5m		K14.20-3m	
			Laboratory sample ID	PR2029448-016		PR2029448-017		PR2029448-018	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	95.8	± 6.0%	96.2	± 6.0%	95.9	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	1100	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	0.90	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	10.9	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	0.034	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	1.2	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	41400	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	4.17	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	0.87	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	4.1	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	1360	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	2.6	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	1590	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	60.4	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	4.8	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	108	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	182	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	164	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	163	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	152	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	97	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	65.7	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	7.56	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	21.0	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: SOIL			Client sample ID	K14.16-0.5m		K14.16-3m		K14.18-0.5m	
			Laboratory sample ID	PR2029448-019		PR2029448-020		PR2029448-021	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	95.4	± 6.0%	95.6	± 6.0%	94.3	± 6.0%

Sub-Matrix: **SOIL**			Client sample ID	K14.16-0.5m		K14.16-3m		K14.18-0.5m	
			Laboratory sample ID	PR2029448-019		PR2029448-020		PR2029448-021	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**952**	± 20.0%	**----**	----	**2190**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.01**	± 20.0%	**----**	----	**1.45**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**12.2**	± 20.0%	**----**	----	**15.7**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.030**	± 20.0%	**----**	----	**0.066**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**1.8**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**19500**	± 20.0%	**----**	----	**55000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**4.42**	± 20.0%	**----**	----	**5.22**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.01**	± 20.0%	**----**	----	**1.32**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**2.2**	± 20.0%	**----**	----	**3.4**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**1280**	± 20.0%	**----**	----	**2180**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**2.4**	± 20.0%	**----**	----	**4.3**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**2.2**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**681**	± 20.0%	**----**	----	**1860**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**57.3**	± 20.0%	**----**	----	**63.4**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**7.8**	± 20.0%	**----**	----	**6.8**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**79.9**	± 20.0%	**----**	----	**121**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**156**	± 20.0%	**----**	----	**328**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**244**	± 20.0%	**----**	----	**204**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**81**	± 20.0%	**----**	----	**144**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**72.0**	± 20.0%	**----**	----	**182**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**54**	± 20.0%	**----**	----	**79**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**138**	± 20.0%	**----**	----	**94.8**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**9.03**	± 20.0%	**----**	----	**15.7**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**11.3**	± 20.0%	**----**	----	**15.1**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	**22**	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.18-3m		K14.19-0.5m		K14.19-3m	
			Laboratory sample ID	PR2029448-022		PR2029448-023		PR2029448-024	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.4**	± 6.0%	**95.9**	± 6.0%	**96.3**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1180**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**2.39**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**12.1**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.039**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.1**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**40700**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**4.30**	± 20.0%	**----**	----

Sub-Matrix: **SOIL**			Client sample ID	K14.18-3m		K14.19-0.5m		K14.19-3m	
			Laboratory sample ID	PR2029448-022		PR2029448-023		PR2029448-024	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	**0.94**	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	**3.6**	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	**1420**	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	**3.2**	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	**1.3**	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	**1960**	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	**54.1**	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	**7.3**	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	**89.7**	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	**192**	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	**233**	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	**122**	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	**133**	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	**93**	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	**62.4**	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	**9.83**	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	**14.6**	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.17-0.5m		K14.17-3m		K14.15-0.5m	
			Laboratory sample ID	PR2029448-025		PR2029448-026		PR2029448-027	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**91.6**	± 6.0%	**95.7**	± 6.0%	**95.9**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**5760**	± 20.0%	----	----	**896**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.94**	± 20.0%	----	----	**1.59**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**27.4**	± 20.0%	----	----	**9.66**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.162**	± 20.0%	----	----	**0.030**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.7**	± 20.0%	----	----	<1.0	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**62000**	± 20.0%	----	----	**48700**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**11.6**	± 20.0%	----	----	**3.02**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**3.56**	± 20.0%	----	----	**0.74**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**4.9**	± 20.0%	----	----	<1.0	----
Iron	S-METAXHB1	10	mg/kg DW	**7650**	± 20.0%	----	----	**1230**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**6.7**	± 20.0%	----	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**4.8**	± 20.0%	----	----	**1.2**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**4950**	± 20.0%	----	----	**823**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**126**	± 20.0%	----	----	**71.8**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**35.8**	± 20.0%	----	----	**1.4**	± 20.0%

Sub-Matrix: **SOIL**			Client sample ID	K14.17-0.5m		K14.17-3m		K14.15-0.5m	
			Laboratory sample ID	PR2029448-025		PR2029448-026		PR2029448-027	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		23-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**139**	± 20.0%	**----**	----	**85.8**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**626**	± 20.0%	**----**	----	**150**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**198**	± 20.0%	**----**	----	**249**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**231**	± 20.0%	**----**	----	**161**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**235**	± 20.0%	**----**	----	**160**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**93**	± 20.0%	**----**	----	**72**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**268**	± 20.0%	**----**	----	**46.7**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**31.6**	± 20.0%	**----**	----	**3.70**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**77.2**	± 20.0%	**----**	----	<3.0	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.15-3m		K14.27-0.5m-DUP		----	
			Laboratory sample ID	PR2029448-028		PR2029448-029		----	
			Client sampling date / time	23-Mar-2020		23-Mar-2020		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**95.5**	± 6.0%	**96.7**	± 6.0%	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	**----**	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	**----**	----

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.
Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
S-DRY-GRCI	CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values.
S-METAXHB1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-TPHFID14	CZ_SOP_D06_03_150 (CSN EN 14039, CSN EN ISO 16703, CSN P CEN ISO 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection

Preparation Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
* S-PPHOM2	Drying and sieving of sample on the grain size < 2 mm

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

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Dr Katz Technologies & Enterprises (KTE)
Hameginim 53
Haifa
Israel

Attention: Eyal Shvartz

CERTIFICATE OF ANALYSIS

Date of report Generation:	08 April 2020
Customer:	Dr Katz Technologies & Enterprises (KTE)
Sample Delivery Group (SDG):	200326-98
Your Reference:	
Location:	
Report No:	549015

We received 7 samples on Thursday March 26, 2020 and 7 of these samples were scheduled for analysis which was completed on Wednesday April 08, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
21961621	K11.3		1.00	24/03/2020
21961622	K14.2		0.50	24/03/2020
21961623	K14.5		0.50	24/03/2020
21961624	K14.10		0.50	24/03/2020
21961626	K14.22		0.50	23/03/2020
21961625	K14.25		0.50	23/03/2020
21961627	K14.28		0.50	23/03/2020

Maximum Sample/Coolbox Temperature (°C) : **8.0**

ISO5667-3 Water quality - Sampling - Part3 -
During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Results Legend

X **Test**

N **No Determination Possible**

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

	Lab Sample No(s)		21961621	21961622	21961623	21961624	21961626	21961625	21961627
	Customer Sample Reference		K11.3	K14.2	K14.5	K14.10	K14.22	K14.25	K14.28
	AGS Reference								
	Depth (m)		1.00	0.50	0.50	0.50	0.50	0.50	0.50
	Container		100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar
	Sample Type		S	S	S	S	S	S	S
EPH	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
EPH by GCxGC-FID	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 3		X	X				X
Sample description	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
21961621	K11.3	1.00	Cream	Sand	None	None
21961622	K14.2	0.50	Cream	Sand	None	None
21961623	K14.5	0.50	Cream	Sand	Stones	None
21961624	K14.10	0.50	Cream	Sand	None	None
21961626	K14.22	0.50	Cream	Sand	None	None
21961625	K14.25	0.50	Cream	Sand	Stones	None
21961627	K14.28	0.50	Cream	Sand	Stones	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
Moisture Content Ratio (% of as received sample)	%	PM024	2.6	3.2	2.8	2.7	4.8	4.3
Arsenic	<0.6 mg/kg	TM181		1.86 M	1.78 M			
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M			
Chromium	<0.9 mg/kg	TM181		3.66 M	3.45 M			
Copper	<1.4 mg/kg	TM181		1.59 M	<1.4 M			
Lead	<0.7 mg/kg	TM181		1.56 M	<0.7 M			
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181		5.21 M	1.92 M			
Selenium	<1 mg/kg	TM181		<1 #	<1 #			
Zinc	<1.9 mg/kg	TM181		17.1 M	3.09 M			
EPH (C5-C40)	<35 mg/kg	TM415	<35	<35	<35	<35	<35	<35
EPH Surrogate % recovery**	%	TM415	91.8	92.4	90.8	87.6	88.4	99.8
EPH >C10-C40	<35 mg/kg	TM415	<35 M	<35 M	<35 M	<35 M	<35 M	<35 M

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.	K14.28
Depth (m)	0.50
Sample Type	Soil/Solid (S)
Date Sampled	23/03/2020
Sample Time	.
Date Received	26/03/2020
SDG Ref	200326-98
Lab Sample No.(s)	21961627
AGS Reference	

Component	LOD/Units	Method	
Moisture Content Ratio (% of as received sample)	%	PM024	3.9
Arsenic	<0.6 mg/kg	TM181	3.17 M
Cadmium	<0.02 mg/kg	TM181	<0.02 M
Chromium	<0.9 mg/kg	TM181	3.69 M
Copper	<1.4 mg/kg	TM181	<1.4 M
Lead	<0.7 mg/kg	TM181	2.24 M
Mercury	<0.14 mg/kg	TM181	<0.14 M
Nickel	<0.2 mg/kg	TM181	11.7 M
Selenium	<1 mg/kg	TM181	<1 #
Zinc	<1.9 mg/kg	TM181	9.36 M
EPH (C5-C40)	<35 mg/kg	TM415	<35
EPH Surrogate % recovery**	%	TM415	95.8
EPH >C10-C40	<35 mg/kg	TM415	<35 M

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CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM116	125 2	106 2	109 2	122 2	107 2	106 2
Toluene-d8**	%	TM116	100 2	98.5 2	99.7 2	99.3 2	98.8 2	98.8 2
4-Bromofluorobenzene**	%	TM116	105 2	97.4 2	101 2	102 2	99.7 2	98.9 2
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M
Benzene	<9 µg/kg	TM116	<9 2 M	<9 2 M	<9 2 M	<9 2 M	<9 2 M	<9 2 M
Toluene	<7 µg/kg	TM116	<7 2 M	<7 2 M	<7 2 M	<7 2 M	<7 2 M	<7 2 M
Ethylbenzene	<4 µg/kg	TM116	<4 2 M	<4 2 M	<4 2 M	<4 2 M	<4 2 M	<4 2 M
p/m-Xylene	<10 µg/kg	TM116	<10 2 #	<10 2 #	<10 2 #	<10 2 #	<10 2 #	<10 2 #
o-Xylene	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M
Sum of BTEX	<40 µg/kg	TM116	<40 2	<40 2	<40 2	<40 2	<40 2	<40 2

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

			Customer Sample Ref.	
			Depth (m)	0.50
			Sample Type	Soil/Solid (S)
			Date Sampled	23/03/2020
			Sample Time	.
			Date Received	26/03/2020
			SDG Ref	200326-98
			Lab Sample No.(s)	21961627
			AGS Reference	
Component	**LOD/Units**	**Method**		
Dibromofluoromethane**	%	TM116	108 2	
Toluene-d8**	%	TM116	99.4 2	
4-Bromofluorobenzene**	%	TM116	101 2	
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M	
Benzene	<9 µg/kg	TM116	<9 2 M	
Toluene	<7 µg/kg	TM116	<7 2 M	
Ethylbenzene	<4 µg/kg	TM116	<4 2 M	
p/m-Xylene	<10 µg/kg	TM116	<10 2 #	
o-Xylene	<10 µg/kg	TM116	<10 2 M	
Sum of BTEX	<40 µg/kg	TM116	<40 2	

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM415	Analysis of Petroleum Hydrocarbons in Environmental Media.	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	21961621	21961622	21961623	21961624	21961626	21961625	21961627
Customer Sample Ref.	K11.3	K14.2	K14.5	K14.10	K14.22	K14.25	K14.28
AGS Ref.							
Depth	1.00	0.50	0.50	0.50	0.50	0.50	0.50
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
EPH	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020
EPH by GCxGC-FID	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	03-Apr-2020
GRO by GC-FID (S)	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020
Metals in solid samples by OES		08-Apr-2020	08-Apr-2020				08-Apr-2020
Sample description	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020
VOC MS (S)	07-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020

Appendix

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

General

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
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Website: www.alsenvironmental.co.uk

Dr Katz Technologies & Enterprises (KTE)
Hameginim 53
Haifa
Israel

Attention: Eyal Shvartz

CERTIFICATE OF ANALYSIS

Date of report Generation:	28 April 2020
Customer:	Dr Katz Technologies & Enterprises (KTE)
Sample Delivery Group (SDG):	200420-12
Your Reference:	KTE-114-20-HAW
Location:	Sde Dov
Report No:	550518

We received 3 samples on Monday April 20, 2020 and 3 of these samples were scheduled for analysis which was completed on Tuesday April 28, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	200420-12	**Client Reference:**	KTE-114-20-HAW	**Report Number:**	550518
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
22045402	K11.6-0.5m-soil			07/04/2020
22045401	K9.13-0.5m-soil			07/04/2020
22045403	K15.40-0.5m-soil			07/04/2020

Maximum Sample/Coolbox Temperature (°C) : **9.4**

ISO5667-3 Water quality - Sampling - Part3 -
During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200420-12	**Client Reference:**	KTE-114-20-HAW	**Report Number:**	550518
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			22045402	22045401	22045403
Customer Sample Reference			K11.6-0.5m-soil	K9.13-0.5m-soil	K15.40-0.5m-soil
AGS Reference					
Depth (m)					
Container			250g Glass jar	250g Glass jar	250g Glass jar
Sample Type			S	S	S
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 1			X
EPH by GCxGC-FID	All	NDPs: 0 Tests: 3	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 1			X
Sample description	All	NDPs: 0 Tests: 3	X	X	X
Silver	All	NDPs: 0 Tests: 1			X

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
22045402	K11.6-0.5m-soil		Light Brown	Sand	Stones	None
22045401	K9.13-0.5m-soil		Light Brown	Sand	Stones	None
22045403	K15.40-0.5m-soil		Light Brown	Sand	None	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200420-12	**Client Reference:**	KTE-114-20-HAW	**Report Number:**	550518
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Component	LOD/Units	Method	K11.6-0.5m-soil	K9.13-0.5m-soil	K15.40-0.5m-soil			
Customer Sample Ref.			K11.6-0.5m-soil	K9.13-0.5m-soil	K15.40-0.5m-soil			
Depth (m)			.	.	.			
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
Date Sampled			07/04/2020	07/04/2020	07/04/2020			
Sample Time			.	.	.			
Date Received			20/04/2020	20/04/2020	20/04/2020			
SDG Ref			200420-12	200420-12	200420-12			
Lab Sample No.(s)			22045402	22045401	22045403			
AGS Reference								
Moisture Content Ratio (% of as received sample)	%	PM024	2.7	6.2	4.4			
Aluminium	<11 mg/kg	TM181			445			
Antimony	<0.6 mg/kg	TM181			<0.6 #			
Arsenic	<0.6 mg/kg	TM181			4.51 M			
Barium	<0.6 mg/kg	TM181			21.2 #			
Beryllium	<0.01 mg/kg	TM181			0.054 M			
Boron	<0.7 mg/kg	TM181			0.914 #			
Cadmium	<0.02 mg/kg	TM181			0.116 M			
Chromium	<0.9 mg/kg	TM181			3.17 M			
Cobalt	<0.1 mg/kg	TM181			2.07 M			
Copper	<1.4 mg/kg	TM181			<1.4 M			
Iron	<1000 mg/kg	TM181			1950 #			
Lead	<0.7 mg/kg	TM181			0.902 M			
Manganese	<0.13 mg/kg	TM181			117 M			
Mercury	<0.14 mg/kg	TM181			<0.14 M			
Molybdenum	<0.1 mg/kg	TM181			0.135 #			
Nickel	<0.2 mg/kg	TM181			2.61 M			
Phosphorus	<1 mg/kg	TM181			181			
Selenium	<1 mg/kg	TM181			<1 #			
Strontium	<0.4 mg/kg	TM181			360 #			
Tin	<0.24 mg/kg	TM181			<0.24 #			
Thallium	<0.7 mg/kg	TM181			<0.7 #			
Titanium	<0.1 mg/kg	TM181			36.1			
Vanadium	<0.2 mg/kg	TM181			7.3 #			
Zinc	<1.9 mg/kg	TM181			6.96 M			
Bismuth	<1 mg/kg	TM181			<1			
Lithium	<1 mg/kg	TM181			9.56			
Tellurium	<1 mg/kg	TM181			<1			
Calcium	<21 mg/kg	TM224			129000			
Sodium	<7 mg/kg	TM224			327			
Magnesium	<8 mg/kg	TM224			4890			
Potassium	<16 mg/kg	TM224			473			
Silver	<10 mg/kg	TM250			<10			

09:30:43 28/04/2020

Validated

CERTIFICATE OF ANALYSIS

SDG:	200420-12	**Client Reference:**	KTE-114-20-HAW	**Report Number:**	550518
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.6-0.5m-soil	K9.13-0.5m-soil	K15.40-0.5m-soil			
Depth (m)			.	.	.			
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
Date Sampled			07/04/2020	07/04/2020	07/04/2020			
Sample Time			.	.	.			
Date Received			20/04/2020	20/04/2020	20/04/2020			
SDG Ref			200420-12	200420-12	200420-12			
Lab Sample No.(s)			22045402	22045401	22045403			
AGS Reference								
Component	**LOD/Units**	**Method**						
EPH Surrogate % recovery**	%	TM415	100	98	94.8			
EPH >C10-C40	<35 mg/kg	TM415	<35 @ M	<35 @ M	<35 @ M			
EPH Band >C10-C12	<35 mg/kg	TM415	<35	<35	<35			
EPH Band >C12-C16	<35 mg/kg	TM415	<35	<35	<35			
EPH Band >C16-C21	<35 mg/kg	TM415	<35	<35	<35			
EPH Band >C21-C28	<35 mg/kg	TM415	<35	<35	<35			
EPH Band >C28-C35	<35 mg/kg	TM415	<35	<35	<35			
EPH Band >C35-C40	<35 mg/kg	TM415	<35	<35	<35			
EPH band >C10-C28	<35 mg/kg	TM415			<35			
EPH Band >C28-C40	<35 mg/kg	TM415			<35			

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM224	US EPA Method 6010B	Determination of Alkaline Metals by iCap 6500 Duo ICP-OES
TM250		Determination of Silver in Soil by ICP-OES
TM415	Analysis of Petroleum Hydrocarbons in Environmental Media.	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	200420-12	**Client Reference:**	KTE-114-20-HAW	**Report Number:**	550518
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	22045402	22045401	22045403
Customer Sample Ref.	K11.6-0.5m-soil	K9.13-0.5m-soil	K15.40-0.5m-soil
AGS Ref.			
Depth			
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkali Metals by iCap-OES (Soil)			24-Apr-2020
EPH by GCxGC-FID	28-Apr-2020	28-Apr-2020	28-Apr-2020
Metals in solid samples by OES			27-Apr-2020
Sample description	23-Apr-2020	23-Apr-2020	23-Apr-2020
Silver			27-Apr-2020

Appendix

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

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13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

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18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

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Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

Dr Katz Technologies & Enterprises (KTE)
Hameginim 53
Haifa
Israel

Attention: Eyal Shvartz

CERTIFICATE OF ANALYSIS

Date of report Generation:	23 April 2020
Customer:	Dr Katz Technologies & Enterprises (KTE)
Sample Delivery Group (SDG):	200326-98
Your Reference:	
Location:	
Report No:	550180

This report has been revised and directly supersedes 549015 in its entirety.

We received 7 samples on Thursday March 26, 2020 and 7 of these samples were scheduled for analysis which was completed on Thursday April 23, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
21961621	K11.3		1.00	24/03/2020
21961622	K14.2		0.50	24/03/2020
21961623	K14.5		0.50	24/03/2020
21961624	K14.10		0.50	24/03/2020
21961626	K14.22		0.50	23/03/2020
21961625	K14.25		0.50	23/03/2020
21961627	K14.28		0.50	23/03/2020

Maximum Sample/Coolbox Temperature (°C) : **8.0**

ISO5667-3 Water quality - Sampling - Part3 -
During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

	Lab Sample No(s)		21961621	21961622	21961623	21961624	21961626	21961625	21961627
	Customer Sample Reference		K11.3	K14.2	K14.5	K14.10	K14.22	K14.25	K14.28
	AGS Reference								
	Depth (m)		1.00	0.50	0.50	0.50	0.50	0.50	0.50
	Container		100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar
	Sample Type		S	S	S	S	S	S	S
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 3		X	X				X
EPH	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
EPH by GCxGC-FID	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 3		X	X				X
Sample description	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
Silver	All	NDPs: 0 Tests: 3		X	X				X
VOC MS (S)	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
21961621	K11.3	1.00	Cream	Sand	None	None
21961622	K14.2	0.50	Cream	Sand	None	None
21961623	K14.5	0.50	Cream	Sand	Stones	None
21961624	K14.10	0.50	Cream	Sand	None	None
21961626	K14.22	0.50	Cream	Sand	None	None
21961625	K14.25	0.50	Cream	Sand	Stones	None
21961627	K14.28	0.50	Cream	Sand	Stones	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
Moisture Content Ratio (% of as received sample)	%	PM024	2.6	3.2	2.8	2.7	4.8	4.3
Aluminium	<11 mg/kg	TM181		639	548			
Antimony	<0.6 mg/kg	TM181		<0.6 #	<0.6 #			
Arsenic	<0.6 mg/kg	TM181		1.86 M	1.78 M			
Barium	<0.6 mg/kg	TM181		13.9 #	12.5 #			
Beryllium	<0.01 mg/kg	TM181		0.0226 M	0.0145 M			
Boron	<0.7 mg/kg	TM181		1.09 #	0.787 #			
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M			
Chromium	<0.9 mg/kg	TM181		3.66 M	3.45 M			
Cobalt	<0.1 mg/kg	TM181		2.42 M	3.18 M			
Copper	<1.4 mg/kg	TM181		1.59 M	<1.4 M			
Iron	<1000 mg/kg	TM181		1540 #	1320 #			
Lead	<0.7 mg/kg	TM181		1.56 M	<0.7 M			
Manganese	<0.13 mg/kg	TM181		94.2 M	79.3 M			
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M			
Molybdenum	<0.1 mg/kg	TM181		<0.1 #	<0.1 #			
Nickel	<0.2 mg/kg	TM181		5.21 M	1.92 M			
Phosphorus	<1 mg/kg	TM181		108	99.3			
Selenium	<1 mg/kg	TM181		<1 #	<1 #			
Strontium	<0.4 mg/kg	TM181		295 #	222 #			
Tin	<0.24 mg/kg	TM181		<0.24 #	<0.24 #			
Thallium	<0.7 mg/kg	TM181		<0.7 #	<0.7 #			
Titanium	<0.1 mg/kg	TM181		44.4	44.4			
Vanadium	<0.2 mg/kg	TM181		8.84 #	6.61 #			
Zinc	<1.9 mg/kg	TM181		17.1 M	3.09 M			
Bismuth	<1 mg/kg	TM181		<1	<1			
Lithium	<1 mg/kg	TM181		4.93	3.5			
Tellurium	<1 mg/kg	TM181		<1	<1			
Calcium	<21 mg/kg	TM224		84300	55700			
Sodium	<7 mg/kg	TM224		310	234			
Magnesium	<8 mg/kg	TM224		1520	701			
Potassium	<16 mg/kg	TM224		173	147			
Silver	<10 mg/kg	TM250		<10	<10			

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
EPH (C5-C40)	<35 mg/kg	TM415	<35	<35	<35	<35	<35	<35
EPH Surrogate % recovery**	%	TM415	91.8	92.4	90.8	87.6	88.4	99.8
EPH >C10-C40	<35 mg/kg	TM415	<35 M	<35 M	<35 M	<35 M	<35 M	<35 M

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.	K14.28
Depth (m)	0.50
Sample Type	Soil/Solid (S)
Date Sampled	23/03/2020
Sample Time	.
Date Received	26/03/2020
SDG Ref	200326-98
Lab Sample No.(s)	21961627
AGS Reference	

Component	LOD/Units	Method	
Moisture Content Ratio (% of as received sample)	%	PM024	3.9
Aluminium	<11 mg/kg	TM181	609
Antimony	<0.6 mg/kg	TM181	<0.6 #
Arsenic	<0.6 mg/kg	TM181	3.17 M
Barium	<0.6 mg/kg	TM181	16.4 #
Beryllium	<0.01 mg/kg	TM181	0.0186 M
Boron	<0.7 mg/kg	TM181	<0.7 #
Cadmium	<0.02 mg/kg	TM181	<0.02 M
Chromium	<0.9 mg/kg	TM181	3.69 M
Cobalt	<0.1 mg/kg	TM181	2.04 M
Copper	<1.4 mg/kg	TM181	<1.4 M
Iron	<1000 mg/kg	TM181	1680 #
Lead	<0.7 mg/kg	TM181	2.24 M
Manganese	<0.13 mg/kg	TM181	83.3 M
Mercury	<0.14 mg/kg	TM181	<0.14 M
Molybdenum	<0.1 mg/kg	TM181	<0.1 #
Nickel	<0.2 mg/kg	TM181	11.7 M
Phosphorus	<1 mg/kg	TM181	121
Selenium	<1 mg/kg	TM181	<1 #
Strontium	<0.4 mg/kg	TM181	497 #
Tin	<0.24 mg/kg	TM181	<0.24 #
Thallium	<0.7 mg/kg	TM181	<0.7 #
Titanium	<0.1 mg/kg	TM181	54.1
Vanadium	<0.2 mg/kg	TM181	24.3 #
Zinc	<1.9 mg/kg	TM181	9.36 M
Bismuth	<1 mg/kg	TM181	<1
Lithium	<1 mg/kg	TM181	7.7
Tellurium	<1 mg/kg	TM181	<1
Calcium	<21 mg/kg	TM224	115000
Sodium	<7 mg/kg	TM224	182
Magnesium	<8 mg/kg	TM224	1100
Potassium	<16 mg/kg	TM224	155
Silver	<10 mg/kg	TM250	<10

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.	K14.28
Depth (m)	0.50
Sample Type	Soil/Solid (S)
Date Sampled	23/03/2020
Sample Time	.
Date Received	26/03/2020
SDG Ref	200326-98
Lab Sample No.(s)	21961627
AGS Reference	

Component	LOD/Units	Method	
EPH (C5-C40)	<35 mg/kg	TM415	<35
EPH Surrogate % recovery**	%	TM415	95.8
EPH >C10-C40	<35 mg/kg	TM415	<35 M

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM116	125 2	106 2	109 2	122 2	107 2	106 2
Toluene-d8**	%	TM116	100 2	98.5 2	99.7 2	99.3 2	98.8 2	98.8 2
4-Bromofluorobenzene**	%	TM116	105 2	97.4 2	101 2	102 2	99.7 2	98.9 2
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M
Benzene	<9 µg/kg	TM116	<9 2 M	<9 2 M	<9 2 M	<9 2 M	<9 2 M	<9 2 M
Toluene	<7 µg/kg	TM116	<7 2 M	<7 2 M	<7 2 M	<7 2 M	<7 2 M	<7 2 M
Ethylbenzene	<4 µg/kg	TM116	<4 2 M	<4 2 M	<4 2 M	<4 2 M	<4 2 M	<4 2 M
p/m-Xylene	<10 µg/kg	TM116	<10 2 #	<10 2 #	<10 2 #	<10 2 #	<10 2 #	<10 2 #
o-Xylene	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M
Sum of BTEX	<40 µg/kg	TM116	<40 2	<40 2	<40 2	<40 2	<40 2	<40 2

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.	K14.28
Depth (m)	0.50
Sample Type	Soil/Solid (S)
Date Sampled	23/03/2020
Sample Time	.
Date Received	26/03/2020
SDG Ref	200326-98
Lab Sample No.(s)	21961627
AGS Reference	

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM116	108 2
Toluene-d8**	%	TM116	99.4 2
4-Bromofluorobenzene**	%	TM116	101 2
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M
Benzene	<9 µg/kg	TM116	<9 2 M
Toluene	<7 µg/kg	TM116	<7 2 M
Ethylbenzene	<4 µg/kg	TM116	<4 2 M
p/m-Xylene	<10 µg/kg	TM116	<10 2 #
o-Xylene	<10 µg/kg	TM116	<10 2 M
Sum of BTEX	<40 µg/kg	TM116	<40 2

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM224	US EPA Method 6010B	Determination of Alkaline Metals by iCap 6500 Duo ICP-OES
TM250		Determination of Silver in Soil by ICP-OES
TM415	Analysis of Petroleum Hydrocarbons in Environmental Media.	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Test Completion Dates

Lab Sample No(s)	21961621	21961622	21961623	21961624	21961626	21961625	21961627
Customer Sample Ref.	K11.3	K14.2	K14.5	K14.10	K14.22	K14.25	K14.28
AGS Ref.							
Depth	1.00	0.50	0.50	0.50	0.50	0.50	0.50
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkali Metals by iCap-OES (Soil)		23-Apr-2020	23-Apr-2020				23-Apr-2020
EPH	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020
EPH by GCxGC-FID	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	03-Apr-2020
GRO by GC-FID (S)	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020
Metals in solid samples by OES		23-Apr-2020	23-Apr-2020				23-Apr-2020
Sample description	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020
Silver		23-Apr-2020	23-Apr-2020				23-Apr-2020
VOC MS (S)	07-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

CERTIFICATE OF ANALYSIS

Work Order	: **PR2029923**	Issue Date	: 03-Apr-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
Address	: Hameginim Ave. 53 3326518 Haifa	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-93-20	Page	: 1 of 13
Order number	: ----	Date Samples Received	: 26-Mar-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 26-Mar-2020 - 03-Apr-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Sample(s) PR2029923/001,002,033,044, method S-TPHFID14 - contain(s) high-boiling hydrocarbons with retention time higher than retention time of C40.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories		*Position*
Zdeněk Jirák		Environmental Business Unit Manager

Analytical Results

Sub-Matrix: **SOIL**			Client sample ID	K14.8-0.5m		K14.8-3m		K14.6-1m	
			Laboratory sample ID	PR2029923-001		PR2029923-002		PR2029923-003	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**93.7**	± 6.0%	**89.0**	± 6.0%	**95.9**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1790**	± 20.0%	**----**	----	**931**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**2.37**	± 20.0%	**----**	----	**1.81**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**18.5**	± 20.0%	**----**	----	**11.1**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.054**	± 20.0%	**----**	----	**0.034**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.8**	± 20.0%	**----**	----	**1.5**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**103000**	± 20.0%	**----**	----	**73700**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**5.58**	± 20.0%	**----**	----	**3.26**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.85**	± 20.0%	**----**	----	**0.69**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**2.5**	± 20.0%	**----**	----	<1.0	----
Iron	S-METAXHB1	10	mg/kg DW	**1990**	± 20.0%	**----**	----	**1250**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**3.4**	± 20.0%	**----**	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**2.0**	± 20.0%	**----**	----	**1.0**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**10900**	± 20.0%	**----**	----	**1030**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**80.3**	± 20.0%	**----**	----	**86.5**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**5.2**	± 20.0%	**----**	----	**1.1**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**103**	± 20.0%	**----**	----	**102**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**270**	± 20.0%	**----**	----	**163**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**251**	± 20.0%	**----**	----	**292**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**230**	± 20.0%	**----**	----	**309**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**265**	± 20.0%	**----**	----	**266**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**231**	± 20.0%	**----**	----	**85**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**85.9**	± 20.0%	**----**	----	**67.8**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**11.1**	± 20.0%	**----**	----	**2.97**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**30.6**	± 20.0%	**----**	----	<3.0	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	**248**	± 30.0%	**96**	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	**53**	± 30.0%	**41**	± 30.0%	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.6-3m		K14.7-1m		K14.7-3m	
			Laboratory sample ID	PR2029923-004		PR2029923-005		PR2029923-006	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.0**	± 6.0%	**95.9**	± 6.0%	**95.3**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**785**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**1.53**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**8.46**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.023**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.6-3m**		**K14.7-1m**		**K14.7-3m**	
			Laboratory sample ID	*PR2029923-004*		*PR2029923-005*		*PR2029923-006*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.1**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**39300**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**2.90**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**0.55**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**1020**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**620**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**61.4**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**69.8**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**133**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**315**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**182**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**144**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**60**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**45.2**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**3.88**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	<3.0	----	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.4-1m**		**K14.4-3m**		**K14.5-0.5m**	
			Laboratory sample ID	*PR2029923-007*		*PR2029923-008*		*PR2029923-009*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.7**	± 6.0%	**95.7**	± 6.0%	**96.2**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**822**	± 20.0%	**----**	----	**1090**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**2.61**	± 20.0%	**----**	----	**2.13**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**9.47**	± 20.0%	**----**	----	**10.0**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.024**	± 20.0%	**----**	----	**0.033**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.3**	± 20.0%	**----**	----	**1.4**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**55100**	± 20.0%	**----**	----	**62300**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.10**	± 20.0%	**----**	----	**3.44**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.59**	± 20.0%	**----**	----	**0.68**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**19.0**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**1110**	± 20.0%	**----**	----	**1440**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**1.6**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**1.1**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**851**	± 20.0%	**----**	----	**1040**	± 20.0%

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.4-1m**		**K14.4-3m**		**K14.5-0.5m**	
			Laboratory sample ID	*PR2029923-007*		*PR2029923-008*		*PR2029923-009*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Manganese	S-METAXHB1	0.50	mg/kg DW	**67.3**	± 20.0%	**----**	----	**83.5**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**1.7**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**86.4**	± 20.0%	**----**	----	**108**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**138**	± 20.0%	**----**	----	**174**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**328**	± 20.0%	**----**	----	**336**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**261**	± 20.0%	**----**	----	**285**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**219**	± 20.0%	**----**	----	**232**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**85**	± 20.0%	**----**	----	**88**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**51.1**	± 20.0%	**----**	----	**72.2**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**2.74**	± 20.0%	**----**	----	**7.28**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	**----**	----	**11.7**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.5-3m**		**K14.3-1m**		**K14.3-3m**	
			Laboratory sample ID	*PR2029923-010*		*PR2029923-011*		*PR2029923-012*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**95.9**	± 6.0%	**96.2**	± 6.0%	**95.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**846**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**1.41**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**9.54**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.028**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.2**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**48900**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**2.89**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**0.57**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**1110**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**888**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**90.6**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**91.8**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**137**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**354**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**262**	± 20.0%	**----**	----

Sub-Matrix: **SOIL**			Client sample ID	K14.5-3m		K14.3-1m		K14.3-3m	
			Laboratory sample ID	PR2029923-010		PR2029923-011		PR2029923-012	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**188**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**88**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**58.4**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**2.56**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	<3.0	----	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.14-0.5m		K14.13-0.5m		K14.13-3m	
			Laboratory sample ID	PR2029923-013		PR2029923-014		PR2029923-015	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**97.0**	± 6.0%	**96.2**	± 6.0%	**93.5**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**813**	± 20.0%	**1380**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**2.37**	± 20.0%	**2.39**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**9.13**	± 20.0%	**11.8**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.028**	± 20.0%	**0.044**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.2**	± 20.0%	**1.4**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**49900**	± 20.0%	**63200**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.45**	± 20.0%	**3.72**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.56**	± 20.0%	**0.80**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**1050**	± 20.0%	**1610**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**1.4**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**864**	± 20.0%	**957**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**62.1**	± 20.0%	**92.6**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**1.4**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**107**	± 20.0%	**108**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**133**	± 20.0%	**207**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**353**	± 20.0%	**296**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**291**	± 20.0%	**246**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**211**	± 20.0%	**263**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**96**	± 20.0%	**89**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**51.0**	± 20.0%	**75.9**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**2.52**	± 20.0%	**6.72**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	<3.0	----	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									

Sub-Matrix: SOIL			Client sample ID	K14.14-0.5m		K14.13-0.5m		K14.13-3m	
			Laboratory sample ID	PR2029923-013		PR2029923-014		PR2029923-015	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Total Petroleum Hydrocarbons - Continued									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: SOIL			Client sample ID	K14.2-0.5m		K14.2-3m		K14.1-0.5m	
			Laboratory sample ID	PR2029923-016		PR2029923-017		PR2029923-018	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	96.3	± 6.0%	96.1	± 6.0%	97.2	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	1170	± 20.0%	----	----	925	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	2.34	± 20.0%	----	----	2.52	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	11.9	± 20.0%	----	----	10.3	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	0.040	± 20.0%	----	----	0.028	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	1.5	± 20.0%	----	----	1.2	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	78100	± 20.0%	----	----	63100	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	3.82	± 20.0%	----	----	3.05	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	0.81	± 20.0%	----	----	0.70	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	1.4	± 20.0%	----	----	<1.0	----
Iron	S-METAXHB1	10	mg/kg DW	1510	± 20.0%	----	----	1280	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	2.7	± 20.0%	----	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	1510	± 20.0%	----	----	883	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	93.9	± 20.0%	----	----	83.8	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	5.8	± 20.0%	----	----	1.1	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	118	± 20.0%	----	----	90.0	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	196	± 20.0%	----	----	155	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	268	± 20.0%	----	----	220	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	300	± 20.0%	----	----	265	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	268	± 20.0%	----	----	226	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	108	± 20.0%	----	----	82	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	61.5	± 20.0%	----	----	49.4	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	11.4	± 20.0%	----	----	4.00	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	15.0	± 20.0%	----	----	<3.0	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: SOIL			Client sample ID	K14.1-3m		K14.11-0.5m		K14.11-3m	
			Laboratory sample ID	PR2029923-019		PR2029923-020		PR2029923-021	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	95.8	± 6.0%	96.7	± 6.0%	96.0	± 6.0%

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.1-3m**		**K14.11-0.5m**		**K14.11-3m**	
			Laboratory sample ID	*PR2029923-019*		*PR2029923-020*		*PR2029923-021*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1930**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**1.95**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**11.1**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.060**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.5**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**49000**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**4.59**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.03**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.6**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**2020**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.9**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.7**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**976**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**82.3**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**6.3**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**98.7**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**276**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**288**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**182**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**221**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**73**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**81.1**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**12.5**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**9.1**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.10-0.5m**		**K14.10-3m**		**K14.12-1m**	
			Laboratory sample ID	*PR2029923-022*		*PR2029923-023*		*PR2029923-024*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.6**	± 6.0%	**93.4**	± 6.0%	**96.3**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**909**	± 20.0%	**----**	----	**1160**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**3.49**	± 20.0%	**----**	----	**2.59**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**9.55**	± 20.0%	**----**	----	**10.2**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.028**	± 20.0%	**----**	----	**0.039**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.3**	± 20.0%	**----**	----	**2.6**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**68200**	± 20.0%	**----**	----	**52700**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.18**	± 20.0%	**----**	----	**3.41**	± 20.0%

Sub-Matrix: **SOIL**			Client sample ID	K14.10-0.5m		K14.10-3m		K14.12-1m	
			Laboratory sample ID	PR2029923-022		PR2029923-023		PR2029923-024	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.73**	± 20.0%	----	----	**0.76**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Iron	S-METAXHB1	10	mg/kg DW	**1240**	± 20.0%	----	----	**1460**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	**1.1**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1080**	± 20.0%	----	----	**804**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**106**	± 20.0%	----	----	**78.0**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.2**	± 20.0%	----	----	**1.2**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**113**	± 20.0%	----	----	**102**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**152**	± 20.0%	----	----	**178**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**270**	± 20.0%	----	----	**302**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**295**	± 20.0%	----	----	**203**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**246**	± 20.0%	----	----	**218**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**85**	± 20.0%	----	----	**76**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**47.8**	± 20.0%	----	----	**54.0**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**3.16**	± 20.0%	----	----	**3.25**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	----	----	**4.1**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K14.12-3m		K14.9-1m		K14.9-3m	
			Laboratory sample ID	PR2029923-025		PR2029923-026		PR2029923-027	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**95.6**	± 6.0%	**93.2**	± 6.0%	**95.5**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	**7640**	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	**2.76**	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	**18.5**	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	**0.238**	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	**2.6**	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	**39700**	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	**13.1**	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	**3.09**	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	**3.7**	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	**7680**	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	**1.6**	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	**6.7**	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	**1450**	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	**179**	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	**6.9**	± 20.0%	----	----

Sub-Matrix: SOIL			Client sample ID	K14.12-3m		K14.9-1m		K14.9-3m	
			Laboratory sample ID	PR2029923-025		PR2029923-026		PR2029923-027	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Extractable Metals / Major Cations - Continued									
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	75.8	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	870	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	348	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	218	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	272	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	84	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	378	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	14.0	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	9.3	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: SOIL			Client sample ID	K14.7-6m		K14.7-7.5m		K14.7-10m	
			Laboratory sample ID	PR2029923-028		PR2029923-029		PR2029923-030	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	82.7	± 6.0%	82.3	± 6.0%	83.1	± 6.0%
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: SOIL			Client sample ID	K11.7-1m		K11.7-3m		K11.1-1m	
			Laboratory sample ID	PR2029923-031		PR2029923-032		PR2029923-033	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	95.9	± 6.0%	63.7	± 6.0%	95.6	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	1150	± 20.0%	----	----	1060	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	0.59	± 20.0%	----	----	<0.50	----
Barium	S-METAXHB1	0.20	mg/kg DW	10.5	± 20.0%	----	----	11.5	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	0.028	± 20.0%	----	----	0.034	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	32800	± 20.0%	----	----	46400	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	3.43	± 20.0%	----	----	3.32	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	0.55	± 20.0%	----	----	0.76	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	1.0	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	1330	± 20.0%	----	----	1290	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	2.0	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	1.1	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	553	± 20.0%	----	----	1220	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	66.1	± 20.0%	----	----	68.2	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.7-1m**		**K11.7-3m**		**K11.1-1m**	
			Laboratory sample ID	*PR2029923-031*		*PR2029923-032*		*PR2029923-033*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.1**	± 20.0%	**----**	----	**3.5**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**101**	± 20.0%	**----**	----	**86.9**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**181**	± 20.0%	**----**	----	**165**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**285**	± 20.0%	**----**	----	**287**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**166**	± 20.0%	**----**	----	**169**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**124**	± 20.0%	**----**	----	**154**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**52**	± 20.0%	**----**	----	**50**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**56.4**	± 20.0%	**----**	----	**54.5**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**11.9**	± 20.0%	**----**	----	**9.38**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**3.2**	± 20.0%	**----**	----	**4.2**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	**22**	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.1-3m**		**K11.2-1m**		**K11.2-3m**	
			Laboratory sample ID	*PR2029923-034*		*PR2029923-035*		*PR2029923-036*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**87.4**	± 6.0%	**82.4**	± 6.0%	**63.8**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**32800**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**3.61**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**166**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**1.00**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**9.6**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**10300**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**52.5**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**10.6**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**20.4**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**33600**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**6.6**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**28.0**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**6330**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**1050**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	**0.66**	± 20.0%	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**31.2**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**257**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**5700**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**326**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**277**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**65.6**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**74**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.1-3m**		**K11.2-1m**		**K11.2-3m**	
			Laboratory sample ID	*PR2029923-034*		*PR2029923-035*		*PR2029923-036*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**1390**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**45.9**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**49.2**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**18.7**	± 20.0%	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.3-1m**		**K11.3-3m**		**K11.8-1m**	
			Laboratory sample ID	*PR2029923-037*		*PR2029923-038*		*PR2029923-039*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.4**	± 6.0%	**92.3**	± 6.0%	**92.4**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1160**	± 20.0%	**----**	----	**2820**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.39**	± 20.0%	**----**	----	**1.41**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**11.1**	± 20.0%	**----**	----	**24.0**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.029**	± 20.0%	**----**	----	**0.083**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**1.5**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**35700**	± 20.0%	**----**	----	**70000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.33**	± 20.0%	**----**	----	**6.55**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.88**	± 20.0%	**----**	----	**1.64**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**2.9**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**1330**	± 20.0%	**----**	----	**3620**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**6.3**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.0**	± 20.0%	**----**	----	**2.5**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**572**	± 20.0%	**----**	----	**1840**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**69.7**	± 20.0%	**----**	----	**91.7**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.4**	± 20.0%	**----**	----	**28.4**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**104**	± 20.0%	**----**	----	**110**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**189**	± 20.0%	**----**	----	**367**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**318**	± 20.0%	**----**	----	**226**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**166**	± 20.0%	**----**	----	**260**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**127**	± 20.0%	**----**	----	**241**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**47**	± 20.0%	**----**	----	**104**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**66.6**	± 20.0%	**----**	----	**124**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**3.37**	± 20.0%	**----**	----	**42.6**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	**----**	----	**28.1**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.8-3m**		**K11.4-1m**		**K11.4-3m**	
			Laboratory sample ID	*PR2029923-040*		*PR2029923-041*		*PR2029923-043*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**88.3**	± 6.0%	**94.8**	± 6.0%	**87.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**2210**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**1.70**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**12.3**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.070**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.5**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**61500**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**4.67**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.09**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.4**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**2120**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.4**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.2**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**1610**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**73.4**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.3**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**116**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**372**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**254**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**223**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**236**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**67**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**92.1**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**7.69**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**5.0**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K14.8-0.5m-DUP**		**K14.7-1m-DUP**		**K14.14-3m**	
			Laboratory sample ID	*PR2029923-044*		*PR2029923-045*		*PR2029923-046*	
			Client sampling date / time	24-Mar-2020		24-Mar-2020		24-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**94.6**	± 6.0%	**96.0**	± 6.0%	**96.7**	± 6.0%
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	**252**	± 30.0%	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	**46**	± 30.0%	<12	----	<12	----

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.
Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
S-DRY-GRCI	CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values.
S-METAXHB1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-TPHFID14	CZ_SOP_D06_03_150 (CSN EN 14039, CSN EN ISO 16703, CSN P CEN ISO 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection

Preparation Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
* S-PPHOM2	Drying and sieving of sample on the grain size < 2 mm

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

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Dr Katz Technologies & Enterprises (KTE)
Hameginim 53
Haifa
Israel

Attention: Eyal Shvartz

CERTIFICATE OF ANALYSIS

Date of report Generation:	08 April 2020
Customer:	Dr Katz Technologies & Enterprises (KTE)
Sample Delivery Group (SDG):	200326-98
Your Reference:	
Location:	
Report No:	549015

We received 7 samples on Thursday March 26, 2020 and 7 of these samples were scheduled for analysis which was completed on Wednesday April 08, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
21961621	K11.3		1.00	24/03/2020
21961622	K14.2		0.50	24/03/2020
21961623	K14.5		0.50	24/03/2020
21961624	K14.10		0.50	24/03/2020
21961626	K14.22		0.50	23/03/2020
21961625	K14.25		0.50	23/03/2020
21961627	K14.28		0.50	23/03/2020

Maximum Sample/Coolbox Temperature (°C) : **8.0**

ISO5667-3 Water quality - Sampling - Part3 -
During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Results Legend

X **Test**

N **No Determination Possible**

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

	Lab Sample No(s)		21961621	21961622	21961623	21961624	21961626	21961625	21961627
	Customer Sample Reference		K11.3	K14.2	K14.5	K14.10	K14.22	K14.25	K14.28
	AGS Reference								
	Depth (m)		1.00	0.50	0.50	0.50	0.50	0.50	0.50
	Container		100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar
	Sample Type		S	S	S	S	S	S	S
EPH	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
EPH by GCxGC-FID	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 3		X	X				X
Sample description	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
VOC MS (S)	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
21961621	K11.3	1.00	Cream	Sand	None	None
21961622	K14.2	0.50	Cream	Sand	None	None
21961623	K14.5	0.50	Cream	Sand	Stones	None
21961624	K14.10	0.50	Cream	Sand	None	None
21961626	K14.22	0.50	Cream	Sand	None	None
21961625	K14.25	0.50	Cream	Sand	Stones	None
21961627	K14.28	0.50	Cream	Sand	Stones	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
Moisture Content Ratio (% of as received sample)	%	PM024	2.6	3.2	2.8	2.7	4.8	4.3
Arsenic	<0.6 mg/kg	TM181		1.86 M	1.78 M			
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M			
Chromium	<0.9 mg/kg	TM181		3.66 M	3.45 M			
Copper	<1.4 mg/kg	TM181		1.59 M	<1.4 M			
Lead	<0.7 mg/kg	TM181		1.56 M	<0.7 M			
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M			
Nickel	<0.2 mg/kg	TM181		5.21 M	1.92 M			
Selenium	<1 mg/kg	TM181		<1 #	<1 #			
Zinc	<1.9 mg/kg	TM181		17.1 M	3.09 M			
EPH (C5-C40)	<35 mg/kg	TM415	<35	<35	<35	<35	<35	<35
EPH Surrogate % recovery**	%	TM415	91.8	92.4	90.8	87.6	88.4	99.8
EPH >C10-C40	<35 mg/kg	TM415	<35 M	<35 M	<35 M	<35 M	<35 M	<35 M

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.	K14.28
Depth (m)	0.50
Sample Type	Soil/Solid (S)
Date Sampled	23/03/2020
Sample Time	.
Date Received	26/03/2020
SDG Ref	200326-98
Lab Sample No.(s)	21961627
AGS Reference	

Component	LOD/Units	Method	
Moisture Content Ratio (% of as received sample)	%	PM024	3.9
Arsenic	<0.6 mg/kg	TM181	3.17 M
Cadmium	<0.02 mg/kg	TM181	<0.02 M
Chromium	<0.9 mg/kg	TM181	3.69 M
Copper	<1.4 mg/kg	TM181	<1.4 M
Lead	<0.7 mg/kg	TM181	2.24 M
Mercury	<0.14 mg/kg	TM181	<0.14 M
Nickel	<0.2 mg/kg	TM181	11.7 M
Selenium	<1 mg/kg	TM181	<1 #
Zinc	<1.9 mg/kg	TM181	9.36 M
EPH (C5-C40)	<35 mg/kg	TM415	<35
EPH Surrogate % recovery**	%	TM415	95.8
EPH >C10-C40	<35 mg/kg	TM415	<35 M

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CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM116	125 2	106 2	109 2	122 2	107 2	106 2
Toluene-d8**	%	TM116	100 2	98.5 2	99.7 2	99.3 2	98.8 2	98.8 2
4-Bromofluorobenzene**	%	TM116	105 2	97.4 2	101 2	102 2	99.7 2	98.9 2
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M
Benzene	<9 µg/kg	TM116	<9 2 M	<9 2 M	<9 2 M	<9 2 M	<9 2 M	<9 2 M
Toluene	<7 µg/kg	TM116	<7 2 M	<7 2 M	<7 2 M	<7 2 M	<7 2 M	<7 2 M
Ethylbenzene	<4 µg/kg	TM116	<4 2 M	<4 2 M	<4 2 M	<4 2 M	<4 2 M	<4 2 M
p/m-Xylene	<10 µg/kg	TM116	<10 2 #	<10 2 #	<10 2 #	<10 2 #	<10 2 #	<10 2 #
o-Xylene	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M
Sum of BTEX	<40 µg/kg	TM116	<40 2	<40 2	<40 2	<40 2	<40 2	<40 2

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

VOC MS (S)

Results Legend	
#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

			Customer Sample Ref.	
			Depth (m)	0.50
			Sample Type	Soil/Solid (S)
			Date Sampled	23/03/2020
			Sample Time	.
			Date Received	26/03/2020
			SDG Ref	200326-98
			Lab Sample No.(s)	21961627
			AGS Reference	
Component	**LOD/Units**	**Method**		
Dibromofluoromethane**	%	TM116	108 2	
Toluene-d8**	%	TM116	99.4 2	
4-Bromofluorobenzene**	%	TM116	101 2	
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M	
Benzene	<9 µg/kg	TM116	<9 2 M	
Toluene	<7 µg/kg	TM116	<7 2 M	
Ethylbenzene	<4 µg/kg	TM116	<4 2 M	
p/m-Xylene	<10 µg/kg	TM116	<10 2 #	
o-Xylene	<10 µg/kg	TM116	<10 2 M	
Sum of BTEX	<40 µg/kg	TM116	<40 2	

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM415	Analysis of Petroleum Hydrocarbons in Environmental Media.	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	549015
Location:		**Order Number:**		**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	21961621	21961622	21961623	21961624	21961626	21961625	21961627
Customer Sample Ref.	K11.3	K14.2	K14.5	K14.10	K14.22	K14.25	K14.28
AGS Ref.							
Depth	1.00	0.50	0.50	0.50	0.50	0.50	0.50
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
EPH	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020
EPH by GCxGC-FID	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	03-Apr-2020
GRO by GC-FID (S)	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020
Metals in solid samples by OES		08-Apr-2020	08-Apr-2020				08-Apr-2020
Sample description	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020
VOC MS (S)	07-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020

Appendix

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

General

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
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Website: www.alsenvironmental.co.uk

Dr Katz Technologies & Enterprises (KTE)
Hameginim 53
Haifa
Israel

Attention: Eyal Shvartz

CERTIFICATE OF ANALYSIS

Date of report Generation:	23 April 2020
Customer:	Dr Katz Technologies & Enterprises (KTE)
Sample Delivery Group (SDG):	200326-98
Your Reference:	
Location:	
Report No:	550180

This report has been revised and directly supersedes 549015 in its entirety.

We received 7 samples on Thursday March 26, 2020 and 7 of these samples were scheduled for analysis which was completed on Thursday April 23, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
21961621	K11.3		1.00	24/03/2020
21961622	K14.2		0.50	24/03/2020
21961623	K14.5		0.50	24/03/2020
21961624	K14.10		0.50	24/03/2020
21961626	K14.22		0.50	23/03/2020
21961625	K14.25		0.50	23/03/2020
21961627	K14.28		0.50	23/03/2020

Maximum Sample/Coolbox Temperature (°C) : **8.0**

ISO5667-3 Water quality - Sampling - Part3 -
During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

	Lab Sample No(s)		21961621	21961622	21961623	21961624	21961626	21961625	21961627
	Customer Sample Reference		K11.3	K14.2	K14.5	K14.10	K14.22	K14.25	K14.28
	AGS Reference								
	Depth (m)		1.00	0.50	0.50	0.50	0.50	0.50	0.50
	Container		100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar	100g Glass Jar
	Sample Type		S	S	S	S	S	S	S
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 3		X	X				X
EPH	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
EPH by GCxGC-FID	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 3		X	X				X
Sample description	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X
Silver	All	NDPs: 0 Tests: 3		X	X				X
VOC MS (S)	All	NDPs: 0 Tests: 7	X	X	X	X	X	X	X

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
21961621	K11.3	1.00	Cream	Sand	None	None
21961622	K14.2	0.50	Cream	Sand	None	None
21961623	K14.5	0.50	Cream	Sand	Stones	None
21961624	K14.10	0.50	Cream	Sand	None	None
21961626	K14.22	0.50	Cream	Sand	None	None
21961625	K14.25	0.50	Cream	Sand	Stones	None
21961627	K14.28	0.50	Cream	Sand	Stones	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
Moisture Content Ratio (% of as received sample)	%	PM024	2.6	3.2	2.8	2.7	4.8	4.3
Aluminium	<11 mg/kg	TM181		639	548			
Antimony	<0.6 mg/kg	TM181		<0.6 #	<0.6 #			
Arsenic	<0.6 mg/kg	TM181		1.86 M	1.78 M			
Barium	<0.6 mg/kg	TM181		13.9 #	12.5 #			
Beryllium	<0.01 mg/kg	TM181		0.0226 M	0.0145 M			
Boron	<0.7 mg/kg	TM181		1.09 #	0.787 #			
Cadmium	<0.02 mg/kg	TM181		<0.02 M	<0.02 M			
Chromium	<0.9 mg/kg	TM181		3.66 M	3.45 M			
Cobalt	<0.1 mg/kg	TM181		2.42 M	3.18 M			
Copper	<1.4 mg/kg	TM181		1.59 M	<1.4 M			
Iron	<1000 mg/kg	TM181		1540 #	1320 #			
Lead	<0.7 mg/kg	TM181		1.56 M	<0.7 M			
Manganese	<0.13 mg/kg	TM181		94.2 M	79.3 M			
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14 M			
Molybdenum	<0.1 mg/kg	TM181		<0.1 #	<0.1 #			
Nickel	<0.2 mg/kg	TM181		5.21 M	1.92 M			
Phosphorus	<1 mg/kg	TM181		108	99.3			
Selenium	<1 mg/kg	TM181		<1 #	<1 #			
Strontium	<0.4 mg/kg	TM181		295 #	222 #			
Tin	<0.24 mg/kg	TM181		<0.24 #	<0.24 #			
Thallium	<0.7 mg/kg	TM181		<0.7 #	<0.7 #			
Titanium	<0.1 mg/kg	TM181		44.4	44.4			
Vanadium	<0.2 mg/kg	TM181		8.84 #	6.61 #			
Zinc	<1.9 mg/kg	TM181		17.1 M	3.09 M			
Bismuth	<1 mg/kg	TM181		<1	<1			
Lithium	<1 mg/kg	TM181		4.93	3.5			
Tellurium	<1 mg/kg	TM181		<1	<1			
Calcium	<21 mg/kg	TM224		84300	55700			
Sodium	<7 mg/kg	TM224		310	234			
Magnesium	<8 mg/kg	TM224		1520	701			
Potassium	<16 mg/kg	TM224		173	147			
Silver	<10 mg/kg	TM250		<10	<10			

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
EPH (C5-C40)	<35 mg/kg	TM415	<35	<35	<35	<35	<35	<35
EPH Surrogate % recovery**	%	TM415	91.8	92.4	90.8	87.6	88.4	99.8
EPH >C10-C40	<35 mg/kg	TM415	<35 M	<35 M	<35 M	<35 M	<35 M	<35 M

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.	K14.28
Depth (m)	0.50
Sample Type	Soil/Solid (S)
Date Sampled	23/03/2020
Sample Time	.
Date Received	26/03/2020
SDG Ref	200326-98
Lab Sample No.(s)	21961627
AGS Reference	

Component	LOD/Units	Method	
Moisture Content Ratio (% of as received sample)	%	PM024	3.9
Aluminium	<11 mg/kg	TM181	609
Antimony	<0.6 mg/kg	TM181	<0.6 #
Arsenic	<0.6 mg/kg	TM181	3.17 M
Barium	<0.6 mg/kg	TM181	16.4 #
Beryllium	<0.01 mg/kg	TM181	0.0186 M
Boron	<0.7 mg/kg	TM181	<0.7 #
Cadmium	<0.02 mg/kg	TM181	<0.02 M
Chromium	<0.9 mg/kg	TM181	3.69 M
Cobalt	<0.1 mg/kg	TM181	2.04 M
Copper	<1.4 mg/kg	TM181	<1.4 M
Iron	<1000 mg/kg	TM181	1680 #
Lead	<0.7 mg/kg	TM181	2.24 M
Manganese	<0.13 mg/kg	TM181	83.3 M
Mercury	<0.14 mg/kg	TM181	<0.14 M
Molybdenum	<0.1 mg/kg	TM181	<0.1 #
Nickel	<0.2 mg/kg	TM181	11.7 M
Phosphorus	<1 mg/kg	TM181	121
Selenium	<1 mg/kg	TM181	<1 #
Strontium	<0.4 mg/kg	TM181	497 #
Tin	<0.24 mg/kg	TM181	<0.24 #
Thallium	<0.7 mg/kg	TM181	<0.7 #
Titanium	<0.1 mg/kg	TM181	54.1
Vanadium	<0.2 mg/kg	TM181	24.3 #
Zinc	<1.9 mg/kg	TM181	9.36 M
Bismuth	<1 mg/kg	TM181	<1
Lithium	<1 mg/kg	TM181	7.7
Tellurium	<1 mg/kg	TM181	<1
Calcium	<21 mg/kg	TM224	115000
Sodium	<7 mg/kg	TM224	182
Magnesium	<8 mg/kg	TM224	1100
Potassium	<16 mg/kg	TM224	155
Silver	<10 mg/kg	TM250	<10

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.	K14.28
Depth (m)	0.50
Sample Type	Soil/Solid (S)
Date Sampled	23/03/2020
Sample Time	.
Date Received	26/03/2020
SDG Ref	200326-98
Lab Sample No.(s)	21961627
AGS Reference	

Component	LOD/Units	Method	
EPH (C5-C40)	<35 mg/kg	TM415	<35
EPH Surrogate % recovery**	%	TM415	95.8
EPH >C10-C40	<35 mg/kg	TM415	<35 M

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.3	K14.2	K14.5	K14.10	K14.22	K14.25
Depth (m)			1.00	0.50	0.50	0.50	0.50	0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			24/03/2020	24/03/2020	24/03/2020	24/03/2020	23/03/2020	23/03/2020
Sample Time			.	.	.	.	.	.
Date Received			26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020	26/03/2020
SDG Ref			200326-98	200326-98	200326-98	200326-98	200326-98	200326-98
Lab Sample No.(s)			21961621	21961622	21961623	21961624	21961626	21961625
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM116	125 2	106 2	109 2	122 2	107 2	106 2
Toluene-d8**	%	TM116	100 2	98.5 2	99.7 2	99.3 2	98.8 2	98.8 2
4-Bromofluorobenzene**	%	TM116	105 2	97.4 2	101 2	102 2	99.7 2	98.9 2
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M
Benzene	<9 µg/kg	TM116	<9 2 M	<9 2 M	<9 2 M	<9 2 M	<9 2 M	<9 2 M
Toluene	<7 µg/kg	TM116	<7 2 M	<7 2 M	<7 2 M	<7 2 M	<7 2 M	<7 2 M
Ethylbenzene	<4 µg/kg	TM116	<4 2 M	<4 2 M	<4 2 M	<4 2 M	<4 2 M	<4 2 M
p/m-Xylene	<10 µg/kg	TM116	<10 2 #	<10 2 #	<10 2 #	<10 2 #	<10 2 #	<10 2 #
o-Xylene	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M	<10 2 M
Sum of BTEX	<40 µg/kg	TM116	<40 2	<40 2	<40 2	<40 2	<40 2	<40 2

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.	K14.28
Depth (m)	0.50
Sample Type	Soil/Solid (S)
Date Sampled	23/03/2020
Sample Time	.
Date Received	26/03/2020
SDG Ref	200326-98
Lab Sample No.(s)	21961627
AGS Reference	

Component	LOD/Units	Method	
Dibromofluoromethane**	%	TM116	108 2
Toluene-d8**	%	TM116	99.4 2
4-Bromofluorobenzene**	%	TM116	101 2
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M
Benzene	<9 µg/kg	TM116	<9 2 M
Toluene	<7 µg/kg	TM116	<7 2 M
Ethylbenzene	<4 µg/kg	TM116	<4 2 M
p/m-Xylene	<10 µg/kg	TM116	<10 2 #
o-Xylene	<10 µg/kg	TM116	<10 2 M
Sum of BTEX	<40 µg/kg	TM116	<40 2

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM224	US EPA Method 6010B	Determination of Alkaline Metals by iCap 6500 Duo ICP-OES
TM250		Determination of Silver in Soil by ICP-OES
TM415	Analysis of Petroleum Hydrocarbons in Environmental Media.	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	200326-98	**Client Reference:**		**Report Number:**	550180
Location:		**Order Number:**		**Superseded Report:**	549015

Test Completion Dates

Lab Sample No(s)	21961621	21961622	21961623	21961624	21961626	21961625	21961627
Customer Sample Ref.	K11.3	K14.2	K14.5	K14.10	K14.22	K14.25	K14.28
AGS Ref.							
Depth	1.00	0.50	0.50	0.50	0.50	0.50	0.50
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkali Metals by iCap-OES (Soil)		23-Apr-2020	23-Apr-2020				23-Apr-2020
EPH	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020	07-Apr-2020
EPH by GCxGC-FID	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	03-Apr-2020
GRO by GC-FID (S)	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020
Metals in solid samples by OES		23-Apr-2020	23-Apr-2020				23-Apr-2020
Sample description	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020
Silver		23-Apr-2020	23-Apr-2020				23-Apr-2020
VOC MS (S)	07-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

CERTIFICATE OF ANALYSIS

Work Order	: **PR2030364**	Issue Date	: 08-Apr-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
Address	: Hameginim Ave. 53 3326518 Haifa	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-97-20	Page	: 1 of 12
Order number	: ----	Date Samples Received	: 27-Mar-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 27-Mar-2020 - 08-Apr-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Sample(s) PR2030364/005,016,017,024,028,032,034,035 method S-TPHFID14 - contain(s) high-boiling hydrocarbons with retention time higher than retention time of C40.

Sample(s) PR2030364/034, method S-TPHFID14 - results are the average of multiple (3 times) determination - non-homogeneous sample(s).

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories		*Position*
Zdeněk Jirák		Environmental Business Unit Manager

Analytical Results

Sub-Matrix: **SOIL**			Client sample ID	K11.24-0.5m		K11.24-3m		K11.19-0.5m	
			Laboratory sample ID	PR2030364-001		PR2030364-002		PR2030364-003	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.6**	± 6.0%	**84.4**	± 6.0%	**93.2**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**926**	± 20.0%	**----**	----	**1370**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**0.76**	± 20.0%	**----**	----	**1.22**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**11.2**	± 20.0%	**----**	----	**10.8**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.030**	± 20.0%	**----**	----	**0.040**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.2**	± 20.0%	**----**	----	**1.5**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**47600**	± 20.0%	**----**	----	**23600**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.23**	± 20.0%	**----**	----	**3.68**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.65**	± 20.0%	**----**	----	**0.89**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Iron	S-METAXHB1	10	mg/kg DW	**1240**	± 20.0%	**----**	----	**1640**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**1.0**	± 20.0%	**----**	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.0**	± 20.0%	**----**	----	**1.4**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**653**	± 20.0%	**----**	----	**462**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**69.5**	± 20.0%	**----**	----	**93.9**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.3**	± 20.0%	**----**	----	**1.4**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**82.3**	± 20.0%	**----**	----	**88.1**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**154**	± 20.0%	**----**	----	**225**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**330**	± 20.0%	**----**	----	**356**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**175**	± 20.0%	**----**	----	**85**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**146**	± 20.0%	**----**	----	**89.1**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**63**	± 20.0%	**----**	----	**36**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**60.1**	± 20.0%	**----**	----	**65.5**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**7.09**	± 20.0%	**----**	----	**9.98**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	**----**	----	<3.0	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K11.19-3m		K11.20-0.5m		K11.20-3m	
			Laboratory sample ID	PR2030364-004		PR2030364-005		PR2030364-006	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**82.7**	± 6.0%	**96.6**	± 6.0%	**86.4**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1020**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**1.46**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**10.4**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.034**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.19-3m**		**K11.20-0.5m**		**K11.20-3m**	
			Laboratory sample ID	*PR2030364-004*		*PR2030364-005*		*PR2030364-006*	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.3**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**39300**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**3.44**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**0.70**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.3**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**1500**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.2**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.2**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**552**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**54.3**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.2**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**97.3**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**193**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**351**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**164**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**127**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**82**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**58.6**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**8.02**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**10.3**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**12**	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.21-0.5m**		**K11.21-3m**		**K11.14-0.5m**	
			Laboratory sample ID	*PR2030364-007*		*PR2030364-008*		*PR2030364-009*	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.3**	± 6.0%	**78.5**	± 6.0%	**96.7**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1060**	± 20.0%	**----**	----	**1060**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.70**	± 20.0%	**----**	----	**0.70**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**11.9**	± 20.0%	**----**	----	**10.7**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.039**	± 20.0%	**----**	----	**0.029**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.6**	± 20.0%	**----**	----	**1.1**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**82700**	± 20.0%	**----**	----	**37000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.75**	± 20.0%	**----**	----	**3.33**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.69**	± 20.0%	**----**	----	**0.67**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Iron	S-METAXHB1	10	mg/kg DW	**1470**	± 20.0%	**----**	----	**1280**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**1.1**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1080**	± 20.0%	**----**	----	**573**	± 20.0%

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.21-0.5m**		**K11.21-3m**		**K11.14-0.5m**	
			Laboratory sample ID	*PR2030364-007*		*PR2030364-008*		*PR2030364-009*	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Manganese	S-METAXHB1	0.50	mg/kg DW	**85.0**	± 20.0%	**----**	----	**65.6**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**1.7**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**138**	± 20.0%	**----**	----	**85.2**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**172**	± 20.0%	**----**	----	**167**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**366**	± 20.0%	**----**	----	**376**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**337**	± 20.0%	**----**	----	**143**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**242**	± 20.0%	**----**	----	**121**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**94**	± 20.0%	**----**	----	**49**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**64.5**	± 20.0%	**----**	----	**62.9**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**8.70**	± 20.0%	**----**	----	**7.81**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	**----**	----	<3.0	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.14-3m**		**K11.9-0.5m**		**K11.9-3m**	
			Laboratory sample ID	*PR2030364-010*		*PR2030364-011*		*PR2030364-012*	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**85.3**	± 6.0%	**94.8**	± 6.0%	**63.2**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**3420**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**2.24**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**17.3**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.105**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.8**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**48500**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**6.71**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.44**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.3**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**3600**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.5**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.1**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**1300**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**86.2**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**12.9**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**128**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**526**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**349**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**140**	± 20.0%	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.14-3m**		**K11.9-0.5m**		**K11.9-3m**	
			Laboratory sample ID	*PR2030364-010*		*PR2030364-011*		*PR2030364-012*	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**149**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**60**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**138**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**36.5**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**10.2**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.9-4.5m**		**K11.5-0.5m**		**K11.5-3m**	
			Laboratory sample ID	*PR2030364-013*		*PR2030364-014*		*PR2030364-015*	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**85.0**	± 6.0%	**95.8**	± 6.0%	**65.8**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1970**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**1.12**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**13.3**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.064**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.9**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**68100**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**4.79**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**0.99**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.8**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**2080**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.6**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.1**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**9560**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**76.0**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.2**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**130**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**336**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**313**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**206**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**175**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**107**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**87.9**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**11.9**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**20.4**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									

Sub-Matrix: SOIL			Client sample ID	K11.9-4.5m		K11.5-0.5m		K11.5-3m	
			Laboratory sample ID	PR2030364-013		PR2030364-014		PR2030364-015	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Total Petroleum Hydrocarbons - Continued									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	33	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	14	± 30.0%	<12	----

Sub-Matrix: SOIL			Client sample ID	K11.12-0.5m		K11.12-3m		K11.15-0.5m	
			Laboratory sample ID	PR2030364-016		PR2030364-017		PR2030364-018	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	94.9	± 6.0%	85.9	± 6.0%	94.7	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	3580	± 20.0%	----	----	1820	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	2.02	± 20.0%	----	----	2.13	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	17.5	± 20.0%	----	----	15.8	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	0.116	± 20.0%	----	----	0.054	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	1.7	± 20.0%	----	----	1.4	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	39700	± 20.0%	----	----	58300	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	7.50	± 20.0%	----	----	5.09	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	1.74	± 20.0%	----	----	1.24	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	3.8	± 20.0%	----	----	2.8	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	4610	± 20.0%	----	----	2090	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	5.5	± 20.0%	----	----	4.0	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	3.0	± 20.0%	----	----	1.8	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	1180	± 20.0%	----	----	2860	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	109	± 20.0%	----	----	93.3	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	14.4	± 20.0%	----	----	21.4	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	116	± 20.0%	----	----	114	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	629	± 20.0%	----	----	269	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	311	± 20.0%	----	----	281	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	128	± 20.0%	----	----	182	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	143	± 20.0%	----	----	179	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	63	± 20.0%	----	----	77	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	158	± 20.0%	----	----	95.7	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	39.7	± 20.0%	----	----	27.1	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	43.6	± 20.0%	----	----	11.3	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	45	± 30.0%	117	± 30.0%	24	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	19	± 30.0%	92	± 30.0%	<12	----

Sub-Matrix: SOIL			Client sample ID	K11.15-3m		K11.10-0.5m		K11.10-3m	
			Laboratory sample ID	PR2030364-019		PR2030364-020		PR2030364-021	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	85.3	± 6.0%	92.5	± 6.0%	82.2	± 6.0%

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.15-3m**		**K11.10-0.5m**		**K11.10-3m**	
			Laboratory sample ID	*PR2030364-019*		*PR2030364-020*		*PR2030364-021*	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**3050**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**4.09**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**21.7**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.072**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**2.6**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**142000**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**7.00**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.56**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.4**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**3990**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**6.9**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.8**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**16100**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**99.4**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**45.8**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**106**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**386**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**258**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**187**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**293**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**189**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**201**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**63.6**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**10.1**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**12**	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.13-0.5m**		**K11.13-3m**		**K11.23-0.5m**	
			Laboratory sample ID	*PR2030364-022*		*PR2030364-023*		*PR2030364-024*	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**94.0**	± 6.0%	**85.1**	± 6.0%	**94.9**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**4540**	± 20.0%	**----**	----	**2450**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.79**	± 20.0%	**----**	----	**2.96**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**18.0**	± 20.0%	**----**	----	**16.4**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.146**	± 20.0%	**----**	----	**0.059**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.0**	± 20.0%	**----**	----	**1.7**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**29000**	± 20.0%	**----**	----	**93100**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**8.24**	± 20.0%	**----**	----	**5.57**	± 20.0%

Sub-Matrix: **SOIL**			Client sample ID	K11.13-0.5m		K11.13-3m		K11.23-0.5m	
			Laboratory sample ID	PR2030364-022		PR2030364-023		PR2030364-024	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.84**	± 20.0%	**----**	----	**1.26**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**2.8**	± 20.0%	**----**	----	**2.7**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**4710**	± 20.0%	**----**	----	**2480**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**1.9**	± 20.0%	**----**	----	**3.9**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**3.7**	± 20.0%	**----**	----	**2.5**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1160**	± 20.0%	**----**	----	**6550**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**102**	± 20.0%	**----**	----	**97.0**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**4.2**	± 20.0%	**----**	----	**18.3**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**108**	± 20.0%	**----**	----	**119**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**784**	± 20.0%	**----**	----	**392**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**250**	± 20.0%	**----**	----	**224**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**106**	± 20.0%	**----**	----	**157**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**106**	± 20.0%	**----**	----	**207**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**43**	± 20.0%	**----**	----	**151**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**185**	± 20.0%	**----**	----	**130**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**7.86**	± 20.0%	**----**	----	**25.5**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**11.4**	± 20.0%	**----**	----	**11.4**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	**63**	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	**13**	± 30.0%

Sub-Matrix: **SOIL**			Client sample ID	K11.23-3m		K11.22-0.5m		K11.22-3m	
			Laboratory sample ID	PR2030364-025		PR2030364-026		PR2030364-027	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**85.8**	± 6.0%	**96.7**	± 6.0%	**84.1**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1060**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**0.88**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**10.0**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.036**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**41200**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**3.29**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**0.73**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**1350**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.3**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.2**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**596**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**70.7**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.2**	± 20.0%	**----**	----

Sub-Matrix: **SOIL**			Client sample ID	K11.23-3m		K11.22-0.5m		K11.22-3m	
			Laboratory sample ID	PR2030364-025		PR2030364-026		PR2030364-027	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	**87.1**	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	**164**	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	**373**	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	**152**	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	**132**	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	**48**	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	**64.1**	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	**8.33**	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	**4.9**	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**15**	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K11.11-0.5m		K11.11-3m		K11.16-0.5m	
			Laboratory sample ID	PR2030364-028		PR2030364-029		PR2030364-030	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**90.8**	± 6.0%	**82.4**	± 6.0%	**94.5**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**3100**	± 20.0%	----	----	**3610**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**3.44**	± 20.0%	----	----	**2.14**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**32.1**	± 20.0%	----	----	**19.6**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.079**	± 20.0%	----	----	**0.126**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.7**	± 20.0%	----	----	**2.6**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**98200**	± 20.0%	----	----	**56000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**6.45**	± 20.0%	----	----	**7.45**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.34**	± 20.0%	----	----	**1.83**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**3.2**	± 20.0%	----	----	**5.3**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**3740**	± 20.0%	----	----	**4090**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**16.6**	± 20.0%	----	----	**6.9**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**2.8**	± 20.0%	----	----	**3.4**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**2420**	± 20.0%	----	----	**1810**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**97.7**	± 20.0%	----	----	**125**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**5.6**	± 20.0%	----	----	**6.3**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**142**	± 20.0%	----	----	**100**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**448**	± 20.0%	----	----	**578**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**252**	± 20.0%	----	----	**245**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**292**	± 20.0%	----	----	**205**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**320**	± 20.0%	----	----	**291**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**186**	± 20.0%	----	----	**138**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----

Sub-Matrix: SOIL			Client sample ID	K11.11-0.5m		K11.11-3m		K11.16-0.5m	
			Laboratory sample ID	PR2030364-028		PR2030364-029		PR2030364-030	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Extractable Metals / Major Cations - Continued									
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	1.1	± 20.0%
Titanium	S-METAXHB2	0.20	mg/kg DW	163	± 20.0%	----	----	143	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	13.7	± 20.0%	----	----	12.5	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	15.4	± 20.0%	----	----	48.2	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	16	± 30.0%	<10	----	17	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	59	± 30.0%

Sub-Matrix: SOIL			Client sample ID	K11.16-4m		K11.17-0.5m		K11.17-3m	
			Laboratory sample ID	PR2030364-031		PR2030364-032		PR2030364-033	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	94.0	± 6.0%	91.5	± 6.0%	85.7	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	4400	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	2.87	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	33.8	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	0.117	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	5.6	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	145000	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	9.87	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	1.76	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	6.7	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	4930	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	8.8	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	5.5	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	17700	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	92.9	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	0.47	± 20.0%	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	10.3	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	234	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	639	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	225	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	316	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	226	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	2930	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	238	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	20.4	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	128	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	8.5	± 20.0%	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	516	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	114	± 30.0%	<12	----

Sub-Matrix: SOIL	Client sample ID	K11.18-0.5m	K11.18-3m	K11.24-0.5m-DUP

Sub-Matrix: **SOIL**			Client sample ID	K11.18-0.5m		K11.18-3m		K11.24-0.5m-DUP	
			Laboratory sample ID	PR2030364-034		PR2030364-035		PR2030364-036	
			Client sampling date / time	25-Mar-2020		25-Mar-2020		25-Mar-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**91.9**	± 6.0%	**91.3**	± 6.0%	**96.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**6240**	± 20.0%	**----**	----	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.74**	± 20.0%	**----**	----	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**19.7**	± 20.0%	**----**	----	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.180**	± 20.0%	**----**	----	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.9**	± 20.0%	**----**	----	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**40800**	± 20.0%	**----**	----	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**9.96**	± 20.0%	**----**	----	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**2.46**	± 20.0%	**----**	----	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**4.5**	± 20.0%	**----**	----	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**6320**	± 20.0%	**----**	----	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**2.7**	± 20.0%	**----**	----	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**4.6**	± 20.0%	**----**	----	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**4400**	± 20.0%	**----**	----	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**132**	± 20.0%	**----**	----	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**5.8**	± 20.0%	**----**	----	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**92.9**	± 20.0%	**----**	----	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**615**	± 20.0%	**----**	----	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**282**	± 20.0%	**----**	----	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**88**	± 20.0%	**----**	----	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**99.9**	± 20.0%	**----**	----	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**114**	± 20.0%	**----**	----	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**266**	± 20.0%	**----**	----	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**14.4**	± 20.0%	**----**	----	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**19.4**	± 20.0%	**----**	----	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	**26**	± 30.0%	**60**	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	**19**	± 30.0%	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K11.20-0.5m-DUP		----		----	
			Laboratory sample ID	PR2030364-037		----		----	
			Client sampling date / time	25-Mar-2020		----		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.5**	± 6.0%	**----**	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	**14**	± 30.0%	**----**	----	**----**	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	**----**	----	**----**	----

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.

Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
S-DRY-GRCI	CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values.
S-METAXHB1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-TPHFID14	CZ_SOP_D06_03_150 (CSN EN 14039, CSN EN ISO 16703, CSN P CEN ISO 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection

Preparation Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
* S-PPHOM2	Drying and sieving of sample on the grain size < 2 mm

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

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Dr Katz Technologies & Enterprises (KTE)
Hameginim 53
Haifa
Israel

Attention: Eyal Shvartz

CERTIFICATE OF ANALYSIS

Date of report Generation:	23 April 2020
Customer:	Dr Katz Technologies & Enterprises (KTE)
Sample Delivery Group (SDG):	200330-19
Your Reference:	KTE-97-20-HAW
Location:	Sde Dov
Report No:	550186

This report has been revised and directly supersedes 548661 in its entirety.

We received 4 samples on Monday March 30, 2020 and 4 of these samples were scheduled for analysis which was completed on Thursday April 23, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

CERTIFICATE OF ANALYSIS

SDG:	200330-19	**Client Reference:**	KTE-97-20-HAW	**Report Number:**	550186
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	548661

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
21977582	K11.5		0.50	25/03/2020
21977584	K11.10		0.50	25/03/2020
21977587	K11.12		0.50	25/03/2020
21977589	K11-23		0.50	25/03/2020

Maximum Sample/Coolbox Temperature (°C) : **14**

ISO5667-3 Water quality - Sampling - Part3 -
During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200330-19	**Client Reference:**	KTE-97-20-HAW	**Report Number:**	550186
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	548661

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

		Lab Sample No(s)	21977582	21977584	21977587	21977589
		Customer Sample Reference	K11.5	K11.10	K11.12	K11-23
		AGS Reference				
		Depth (m)	0.50	0.50	0.50	0.50
		Container	250g Glass jar	250g Glass jar	250g Glass jar	250g Glass jar
		Sample Type	S	S	S	S
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 2	X	X		
EPH	All	NDPs: 0 Tests: 4	X	X	X	X
EPH by GCxGC-FID	All	NDPs: 0 Tests: 4	X	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 2	X	X		
Sample description	All	NDPs: 0 Tests: 4	X	X	X	X
Silver	All	NDPs: 0 Tests: 2	X	X		
VOC MS (S)	All	NDPs: 0 Tests: 4	X	X	X	X

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
21977589	K11-23	0.50	Light Brown	Sand	Stones	None
21977582	K11.5	0.50	Cream	Sand	Stones	None
21977584	K11.10	0.50	Light Brown	Sand	Stones	None
21977587	K11.12	0.50	Light Brown	Sand	None	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200330-19	**Client Reference:**	KTE-97-20-HAW	**Report Number:**	550186
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	548661

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.5	K11.10	K11.12	K11-23		
Depth (m)			0.50	0.50	0.50	0.50		
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)		
Date Sampled			25/03/2020	25/03/2020	25/03/2020	25/03/2020		
Sample Time			.	.	.	.		
Date Received			30/03/2020	30/03/2020	30/03/2020	30/03/2020		
SDG Ref			200330-19	200330-19	200330-19	200330-19		
Lab Sample No.(s)			21977582	21977584	21977587	21977589		
AGS Reference								
Component	**LOD/Units**	**Method**						
Moisture Content Ratio (% of as received sample)	%	PM024	3.1	6.3	5.2	4.7		
Aluminium	<11 mg/kg	TM181	915	1680				
Antimony	<0.6 mg/kg	TM181	<0.6 #	<0.6 #				
Arsenic	<0.6 mg/kg	TM181	1.53 M	3.34 M				
Barium	<0.6 mg/kg	TM181	11.5 #	22 #				
Beryllium	<0.01 mg/kg	TM181	0.0259 M	0.0495 M				
Boron	<0.7 mg/kg	TM181	0.784 #	0.974 #				
Cadmium	<0.02 mg/kg	TM181	<0.02 M	0.109 M				
Chromium	<0.9 mg/kg	TM181	3.48 M	5.47 M				
Cobalt	<0.1 mg/kg	TM181	0.946 M	1.46 M				
Copper	<1.4 mg/kg	TM181	1.88 M	3.22 M				
Iron	<1000 mg/kg	TM181	1550 #	2720 #				
Lead	<0.7 mg/kg	TM181	2.08 M	8.65 M				
Manganese	<0.13 mg/kg	TM181	63.4 M	88.1 M				
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M				
Molybdenum	<0.1 mg/kg	TM181	<0.1 #	<0.1 #				
Nickel	<0.2 mg/kg	TM181	2.48 M	49.6 M				
Phosphorus	<1 mg/kg	TM181	92.5	118				
Selenium	<1 mg/kg	TM181	<1 #	<1 #				
Strontium	<0.4 mg/kg	TM181	118 #	349 #				
Tin	<0.24 mg/kg	TM181	<0.24 #	<0.24 #				
Thallium	<0.7 mg/kg	TM181	<0.7 #	<0.7 #				
Titanium	<0.1 mg/kg	TM181	61.2	91.2				
Vanadium	<0.2 mg/kg	TM181	9.34 #	51.7 #				
Zinc	<1.9 mg/kg	TM181	21 M	35.7 M				
Bismuth	<1 mg/kg	TM181	<1	<1				
Lithium	<1 mg/kg	TM181	1.84	2.96				
Tellurium	<1 mg/kg	TM181	<1	<1				
Calcium	<21 mg/kg	TM224	35400	67000				
Sodium	<7 mg/kg	TM224	142	167				
Magnesium	<8 mg/kg	TM224	3280	1160				
Potassium	<16 mg/kg	TM224	228	300				
Silver	<10 mg/kg	TM250	<10	<10				

15:11:33 23/04/2020

Validated

CERTIFICATE OF ANALYSIS

SDG:	200330-19	**Client Reference:**	KTE-97-20-HAW	**Report Number:**	550186
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	548661

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.5	K11.10	K11.12	K11-23		
Depth (m)			0.50	0.50	0.50	0.50		
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)		
Date Sampled			25/03/2020	25/03/2020	25/03/2020	25/03/2020		
Sample Time			.	.	.	.		
Date Received			30/03/2020	30/03/2020	30/03/2020	30/03/2020		
SDG Ref			200330-19	200330-19	200330-19	200330-19		
Lab Sample No.(s)			21977582	21977584	21977587	21977589		
AGS Reference								
Component	**LOD/Units**	**Method**						
EPH (C5-C40)	<35 mg/kg	TM415	<35	<35	<35	<35		
EPH Surrogate % recovery**	%	TM415	92	89.8	97.6	93		
EPH >C10-C40	<35 mg/kg	TM415	<35 M	<35 M	<35 M	<35 M		

Validated

CERTIFICATE OF ANALYSIS

SDG:	200330-19	**Client Reference:**	KTE-97-20-HAW	**Report Number:**	550186
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	548661

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K11.5	K11.10	K11.12	K11-23		
Depth (m)			0.50	0.50	0.50	0.50		
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)		
Date Sampled			25/03/2020	25/03/2020	25/03/2020	25/03/2020		
Sample Time			.	.	.	.		
Date Received			30/03/2020	30/03/2020	30/03/2020	30/03/2020		
SDG Ref			200330-19	200330-19	200330-19	200330-19		
Lab Sample No.(s)			21977582	21977584	21977587	21977589		
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM116	108 2	105 2	106 2	111 2		
Toluene-d8**	%	TM116	98.3 2	98.2 2	99.7 2	93.9 2		
4-Bromofluorobenzene**	%	TM116	96 2	93.9 2	95.9 2	84.4 2		
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M		
Benzene	<9 µg/kg	TM116	<9 2 M	<9 2 M	<9 2 M	<9 2 M		
Toluene	<7 µg/kg	TM116	<7 2 M	<7 2 M	<7 2 M	<7 2 M		
Ethylbenzene	<4 µg/kg	TM116	<4 2 M	<4 2 M	<4 2 M	<4 2 M		
p/m-Xylene	<10 µg/kg	TM116	<10 2 #	<10 2 #	<10 2 #	<10 2 #		
o-Xylene	<10 µg/kg	TM116	<10 2 M	<10 2 M	<10 2 M	<10 2 M		
Sum of BTEX	<40 µg/kg	TM116	<40 2	<40 2	<40 2	<40 2		

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM224	US EPA Method 6010B	Determination of Alkaline Metals by iCap 6500 Duo ICP-OES
TM250		Determination of Silver in Soil by ICP-OES
TM415	Analysis of Petroleum Hydrocarbons in Environmental Media.	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	200330-19	**Client Reference:**	KTE-97-20-HAW	**Report Number:**	550186
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	548661

Test Completion Dates

Lab Sample No(s)	21977589	21977582	21977584	21977587
Customer Sample Ref.	K11-23	K11.5	K11.10	K11.12
AGS Ref.				
Depth	0.50	0.50	0.50	0.50
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkali Metals by iCap-OES (Soil)		23-Apr-2020	23-Apr-2020	
EPH	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020
EPH by GCxGC-FID	06-Apr-2020	06-Apr-2020	06-Apr-2020	03-Apr-2020
GRO by GC-FID (S)	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020
Metals in solid samples by OES		23-Apr-2020	23-Apr-2020	
Sample description	30-Mar-2020	30-Mar-2020	30-Mar-2020	30-Mar-2020
Silver		23-Apr-2020	23-Apr-2020	
VOC MS (S)	06-Apr-2020	06-Apr-2020	06-Apr-2020	06-Apr-2020

Appendix

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

General

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

CERTIFICATE OF ANALYSIS

Work Order	: **PR2035874**	Issue Date	: 06-May-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
Address	: Hameginim Ave. 53 3326518 Haifa	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-114-20	Page	: 1 of 38
Order number	: ----	Date Samples Received	: 17-Apr-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 18-Apr-2020 - 06-May-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Sample(s) PR2035874/001,006,008,010,011,018, method S-TPHFID14 - contain(s) high-boiling hydrocarbons with retention time higher than retention time of C40.

Sample(s) PR2035874/018, method S-SMVGMS03 - LOR for particular sample(s) raised due to matrix interference.

Should a sample contain sediment it is decanted prior to volatile compounds determination.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories		*Position*
Zdeněk Jirák		Environmental Business Unit Manager

L 1163

Analytical Results

Sub-Matrix: **SOIL**			Client sample ID	K12.3-0.5m		K12.3-3m		K12.1-0.5m	
			Laboratory sample ID	PR2035874-001		PR2035874-002		PR2035874-003	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	<1	----	<1	----	<1	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**93.3**	± 6.0%	**73.1**	± 6.0%	**86.5**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**3320**	± 20.0%	----	----	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**4.62**	± 20.0%	----	----	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	**27.7**	± 20.0%	----	----	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.081**	± 20.0%	----	----	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.7**	± 20.0%	----	----	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	**164000**	± 20.0%	----	----	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**7.77**	± 20.0%	----	----	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.35**	± 20.0%	----	----	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	**2.3**	± 20.0%	----	----	----	----
Iron	S-METAXHB1	10	mg/kg DW	**3920**	± 20.0%	----	----	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	**1.4**	± 20.0%	----	----	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**4.0**	± 20.0%	----	----	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1450**	± 20.0%	----	----	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**104**	± 20.0%	----	----	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**4.0**	± 20.0%	----	----	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**123**	± 20.0%	----	----	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**363**	± 20.0%	----	----	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	**152**	± 20.0%	----	----	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	**121**	± 20.0%	----	----	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**464**	± 20.0%	----	----	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	**272**	± 20.0%	----	----	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**198**	± 20.0%	----	----	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**13.6**	± 20.0%	----	----	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**14.7**	± 20.0%	----	----	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	----	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	----	----	<12	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.3-0.5m**		**K12.3-3m**		**K12.1-0.5m**	
			Laboratory sample ID	*PR2035874-001*		*PR2035874-002*		*PR2035874-003*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
Chloroform	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	<0.80	----	<0.80	----	<0.80	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	<1.50	----	<1.50	----	<1.50	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----

Sub-Matrix: **SOIL**

				K12.3-0.5m		K12.3-3m		K12.1-0.5m	
			Client sample ID	K12.3-0.5m		K12.3-3m		K12.1-0.5m	
			Laboratory sample ID	*PR2035874-001*		*PR2035874-002*		*PR2035874-003*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Aromatic Compounds - Continued									
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	<0.10	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	<1.00	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	<1.00	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	<1.00	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	<0.040	----	<0.040	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	<0.005	----	<0.005	----	<0.005	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.3-0.5m**		**K12.3-3m**		**K12.1-0.5m**	
			Laboratory sample ID	*PR2035874-001*		*PR2035874-002*		*PR2035874-003*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	<0.050	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.1-2m**		**K12.1-3m**		**K12.4-0.5m**	
			Laboratory sample ID	*PR2035874-004*		*PR2035874-005*		*PR2035874-006*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	<1	----	**----**	----	**----**	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**86.4**	± 6.0%	**78.2**	± 6.0%	**93.0**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**----**	----	**3140**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**----**	----	**6.95**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**----**	----	**22.5**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**----**	----	**0.078**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**----**	----	**1.7**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**----**	----	**114000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**----**	----	**6.70**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**----**	----	**1.41**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**----**	----	**2.0**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**----**	----	**4120**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**----**	----	**1.0**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**----**	----	**3.6**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**----**	----	**2060**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**----**	----	**112**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**----**	----	**3.1**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**----**	----	**107**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**----**	----	**419**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**----**	----	**188**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**----**	----	**175**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**----**	----	**429**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**----**	----	**144**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**----**	----	**170**	± 20.0%

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.1-2m**		**K12.1-3m**		**K12.4-0.5m**	
			Laboratory sample ID	*PR2035874-004*		*PR2035874-005*		*PR2035874-006*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**----**	----	**10.1**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**----**	----	**5.5**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	**----**	----	<10	----	**56**	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	**----**	----	<12	----	**20**	± 30.0%
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	**----**	----	**----**	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	**----**	----	**----**	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	**----**	----	**----**	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.1-2m**		**K12.1-3m**		**K12.4-0.5m**	
			Laboratory sample ID	*PR2035874-004*		*PR2035874-005*		*PR2035874-006*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	----	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	----	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	<0.80	----	----	----	----	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	<1.0	----	----	----	----	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	<1.50	----	----	----	----	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	----	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.1-2m**		**K12.1-3m**		**K12.4-0.5m**	
			Laboratory sample ID	*PR2035874-004*		*PR2035874-005*		*PR2035874-006*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Nitroaromatic Compounds - Continued									
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	**----**	----	**----**	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	**----**	----	**----**	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	**----**	----	**----**	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	**----**	----	**----**	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	<0.040	----	**----**	----	**----**	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	**----**	----	**----**	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	**----**	----	**----**	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	<0.005	----	**----**	----	**----**	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.4-3m**		**K15.39-0.5m**		**K15.39-2m**	
			Laboratory sample ID	*PR2035874-007*		*PR2035874-008*		*PR2035874-009*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	**----**	----	**----**	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	**----**	----	**----**	----	<1	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**83.2**	± 6.0%	**95.9**	± 6.0%	**96.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**3320**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**2.46**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**19.2**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.089**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.8**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**50100**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**8.36**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.71**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**6.0**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**4020**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**9.3**	± 20.0%	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.4-3m**		**K15.39-0.5m**		**K15.39-2m**	
			Laboratory sample ID	*PR2035874-007*		*PR2035874-008*		*PR2035874-009*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	**3.6**	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	**5850**	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	**97.4**	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	**9.2**	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	**119**	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	**460**	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	**212**	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	**126**	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	**147**	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	**152**	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	**178**	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	**16.5**	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	**20.4**	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**277**	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	**37**	± 30.0%	<12	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----

Sub-Matrix: **SOIL**				*Client sample ID*	**K12.4-3m**		**K15.39-0.5m**		**K15.39-2m**	
				Laboratory sample ID	*PR2035874-007*		*PR2035874-008*		*PR2035874-009*	
				Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued										
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	----	----	<0.050	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	----	----	<0.050	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	----	----	<0.050	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	----	----	<0.050	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW		----	----	----	----	<1.0	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW		----	----	----	----	<0.050	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
Non-Halogenated Volatile Organic Compounds										
Styrene	S-VOCGMS05	0.050	mg/kg DW		----	----	----	----	<0.050	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW		----	----	----	----	<0.80	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW		----	----	----	----	<1.0	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW		----	----	----	----	<1.50	----
Aromatic Compounds										
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW		----	----	----	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	----	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	----	----	<0.050	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	----	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW		----	----	----	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW		----	----	----	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW		----	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW		----	----	----	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)										
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW		----	----	----	----	<0.10	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW		----	----	----	----	<0.020	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.4-3m**		**K15.39-0.5m**		**K15.39-2m**	
			Laboratory sample ID	*PR2035874-007*		*PR2035874-008*		*PR2035874-009*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	----	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	----	----	<0.005	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K15.39-4.5m**		**K15.40-0.5m**		**K15.40-4.5m**	
			Laboratory sample ID	*PR2035874-010*		*PR2035874-011*		*PR2035874-012*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	<1	----	----	----	<1	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K15.39-4.5m**		**K15.40-0.5m**		**K15.40-4.5m**	
			Laboratory sample ID	*PR2035874-010*		*PR2035874-011*		*PR2035874-012*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**97.0**	± 6.0%	**95.4**	± 6.0%	**96.4**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1650**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**4.96**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**21.3**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.049**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.4**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**84800**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**4.96**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.03**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**1.2**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**2210**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**20.8**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.0**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**2120**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**128**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.9**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**157**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**263**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**228**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**265**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**331**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**87**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**112**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**7.65**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**6.6**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	**28**	± 30.0%	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	<0.10	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	<0.10	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	<0.10	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	<0.10	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	<0.10	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	<0.10	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	**----**	----	<0.10	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K15.39-4.5m**		**K15.40-0.5m**		**K15.40-4.5m**	
			Laboratory sample ID	*PR2035874-010*		*PR2035874-011*		*PR2035874-012*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	<0.80	----	----	----	<0.80	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	<1.50	----	----	----	<1.50	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									

Sub-Matrix: **SOIL**			*Client sample ID*	**K15.39-4.5m**		**K15.40-0.5m**		**K15.40-4.5m**	
			Laboratory sample ID	*PR2035874-010*		*PR2035874-011*		*PR2035874-012*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Polycyclic Aromatics Hydrocarbons (PAHs) - Continued									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	----	----	<0.10	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	<0.040	----	----	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	<0.005	----	----	----	<0.005	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----

Sub-Matrix: SOIL			Client sample ID	K15.39-4.5m		K15.40-0.5m		K15.40-4.5m	
			Laboratory sample ID	PR2035874-010		PR2035874-011		PR2035874-012	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Phthalates - Continued									
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----

Sub-Matrix: SOIL			Client sample ID	K9.13-0.5m		K9.13-1m		K9.13-3m	
			Laboratory sample ID	PR2035874-013		PR2035874-014		PR2035874-015	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	----	----	<1	----	----	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	91.7	± 6.0%	94.0	± 6.0%	91.7	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	2860	± 20.0%	----	----	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	6.03	± 20.0%	----	----	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	26.9	± 20.0%	----	----	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	0.078	± 20.0%	----	----	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	1.7	± 20.0%	----	----	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	238000	± 20.0%	----	----	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	6.14	± 20.0%	----	----	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	1.56	± 20.0%	----	----	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	2.0	± 20.0%	----	----	----	----
Iron	S-METAXHB1	10	mg/kg DW	2450	± 20.0%	----	----	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	3.8	± 20.0%	----	----	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	1890	± 20.0%	----	----	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	70.7	± 20.0%	----	----	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	3.7	± 20.0%	----	----	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	80.7	± 20.0%	----	----	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	330	± 20.0%	----	----	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	179	± 20.0%	----	----	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	173	± 20.0%	----	----	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	771	± 20.0%	----	----	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	218	± 20.0%	----	----	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	112	± 20.0%	----	----	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	12.2	± 20.0%	----	----	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	3.8	± 20.0%	----	----	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	----	----	<10	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K9.13-0.5m**		**K9.13-1m**		**K9.13-3m**	
			Laboratory sample ID	*PR2035874-013*		*PR2035874-014*		*PR2035874-015*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Total Petroleum Hydrocarbons - Continued									
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	----	----	<12	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	----	----	<0.20	----	----	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	----	----	<0.20	----	----	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	----	----	<0.20	----	----	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	----	----	<1.0	----	----	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K9.13-0.5m**		**K9.13-1m**		**K9.13-3m**	
			Laboratory sample ID	*PR2035874-013*		*PR2035874-014*		*PR2035874-015*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Non-Halogenated Volatile Organic Compounds - Continued									
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	----	----	<0.80	----	----	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	----	----	<1.0	----	----	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	----	----	<1.50	----	----	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K9.13-0.5m**		**K9.13-1m**		**K9.13-3m**	
			Laboratory sample ID	*PR2035874-013*		*PR2035874-014*		*PR2035874-015*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	<0.040	----	----	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	<0.005	----	----	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K9.14-0.5m**		**K9.14-3m**		**K9.15-0.5m**	
			Laboratory sample ID	*PR2035874-016*		*PR2035874-017*		*PR2035874-018*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	----	----	----	----	<1	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**92.5**	± 6.0%	**93.8**	± 6.0%	**94.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**2030**	± 20.0%	----	----	**2480**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**2.25**	± 20.0%	----	----	**1.88**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**15.2**	± 20.0%	----	----	**52.4**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.064**	± 20.0%	----	----	**0.078**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.5**	± 20.0%	----	----	**10.6**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**56700**	± 20.0%	----	----	**91900**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**4.91**	± 20.0%	----	----	**8.02**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.16**	± 20.0%	----	----	**1.38**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**1.4**	± 20.0%	----	----	**3.0**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**2110**	± 20.0%	----	----	**2360**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	**4.3**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**2.2**	± 20.0%	----	----	**4.1**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**828**	± 20.0%	----	----	**11600**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**79.7**	± 20.0%	----	----	**81.7**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**2.5**	± 20.0%	----	----	**10.1**	± 20.0%

Sub-Matrix: **SOIL**			Client sample ID	K9.14-0.5m		K9.14-3m		K9.15-0.5m	
			Laboratory sample ID	PR2035874-016		PR2035874-017		PR2035874-018	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**118**	± 20.0%	----	----	**139**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**328**	± 20.0%	----	----	**453**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**246**	± 20.0%	----	----	**201**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**183**	± 20.0%	----	----	**320**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**188**	± 20.0%	----	----	**205**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**75**	± 20.0%	----	----	**560**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**98.1**	± 20.0%	----	----	**125**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**5.22**	± 20.0%	----	----	**8.79**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**4.1**	± 20.0%	----	----	**31.6**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	**157**	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	**42**	± 30.0%
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----

Sub-Matrix: **SOIL**

			Client sample ID	**K9.14-0.5m**		**K9.14-3m**		**K9.15-0.5m**	
			Laboratory sample ID	*PR2035874-016*		*PR2035874-017*		*PR2035874-018*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	----	----	----	----	<1.0	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	----	----	----	----	<0.80	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	----	----	----	----	<1.0	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	----	----	----	----	<1.50	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitrosoamines									

Sub-Matrix: **SOIL**			Client sample ID	K9.14-0.5m		K9.14-3m		K9.15-0.5m	
			Laboratory sample ID	PR2035874-016		PR2035874-017		PR2035874-018	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Nitrosoamines - Continued									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	----	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	----	----	<0.005	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.100	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.375	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----

Sub-Matrix: **SOIL**			Client sample ID	K9.15-3m		K9.16-0.5m		K9.16-3m	
			Laboratory sample ID	PR2035874-019		PR2035874-020		PR2035874-021	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	----	----	----	----	<1	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**91.9**	± 6.0%	**94.8**	± 6.0%	**94.8**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	**2350**	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----

Sub-Matrix: **SOIL**

			Client sample ID	**K9.15-3m**		**K9.16-0.5m**		**K9.16-3m**	
			Laboratory sample ID	*PR2035874-019*		*PR2035874-020*		*PR2035874-021*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	**2.17**	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	**14.9**	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	**0.071**	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	**1.4**	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	**52800**	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	**5.72**	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	**1.27**	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	**1.9**	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	**2360**	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	**1.8**	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	**2.5**	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	**899**	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	**88.7**	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	**2.6**	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	**117**	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	**371**	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	**262**	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	**172**	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	**178**	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	**105**	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	**1.8**	± 20.0%	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	**114**	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	**5.97**	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	**6.8**	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K9.15-3m**		**K9.16-0.5m**		**K9.16-3m**	
			Laboratory sample ID	*PR2035874-019*		*PR2035874-020*		*PR2035874-021*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	----	----	----	----	<1.0	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	----	----	----	----	<0.80	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	----	----	----	----	<1.0	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	----	----	----	----	<1.50	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----

Sub-Matrix: **SOIL**			Client sample ID	K9.15-3m		K9.16-0.5m		K9.16-3m	
			Laboratory sample ID	PR2035874-019		PR2035874-020		PR2035874-021	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Polycyclic Aromatics Hydrocarbons (PAHs) - Continued									
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	----	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	----	----	<0.005	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K9.15-3m**		**K9.16-0.5m**		**K9.16-3m**	
			Laboratory sample ID	*PR2035874-019*		*PR2035874-020*		*PR2035874-021*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Aldehydes / Ketones - Continued									
Isophorone	S-SMVGMS03	0.050	mg/kg DW	**----**	----	**----**	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	**----**	----	**----**	----	<0.050	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.3-4.5m**		**K9.3-0.5m**		**K9.3-2m**	
			Laboratory sample ID	*PR2035874-022*		*PR2035874-023*		*PR2035874-024*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	**----**	----	**----**	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	**----**	----	**----**	----	<1	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**75.4**	± 6.0%	**88.0**	± 6.0%	**76.5**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**2690**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**2.23**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**19.9**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.081**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.9**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**66700**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**8.96**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.42**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**5.2**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**2700**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**15.4**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.4**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**4390**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**99.0**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**10.6**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**138**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**379**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**238**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**248**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**210**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**145**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**123**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**19.6**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**19.5**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**11**	± 30.0%	**----**	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	**13**	± 30.0%	**----**	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	**----**	----	**----**	----	<0.10	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	**----**	----	**----**	----	<0.050	----

Sub-Matrix: **SOIL**			Client sample ID	K12.3-4.5m		K9.3-0.5m		K9.3-2m	
			Laboratory sample ID	PR2035874-022		PR2035874-023		PR2035874-024	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
BTEX - Continued									
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	----	----	----	----	<1.0	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.3-4.5m**		**K9.3-0.5m**		**K9.3-2m**	
			Laboratory sample ID	*PR2035874-022*		*PR2035874-023*		*PR2035874-024*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Non-Halogenated Volatile Organic Compounds - Continued									
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	----	----	----	----	<0.80	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	----	----	----	----	<1.0	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	----	----	----	----	<1.50	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	----	----	<0.040	----

Sub-Matrix: **SOIL**			Client sample ID	K12.3-4.5m		K9.3-0.5m		K9.3-2m	
			Laboratory sample ID	PR2035874-022		PR2035874-023		PR2035874-024	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Chlorophenols - Continued									
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	----	----	<0.005	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----

Sub-Matrix: **SOIL**			Client sample ID	K9.3-3m		K7.24-4.5m		K7.31-4.5m	
			Laboratory sample ID	PR2035874-025		PR2035874-026		PR2035874-027	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**70.5**	± 6.0%	**90.6**	± 6.0%	**88.3**	± 6.0%
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K7.28-4.5m		K7.26-4.5m		K7.21-4.5m	
			Laboratory sample ID	PR2035874-028		PR2035874-029		PR2035874-030	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**88.6**	± 6.0%	**89.6**	± 6.0%	**89.4**	± 6.0%
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**			Client sample ID	K7.25-4.5m		K7.27-4.5m		K7.30-4.5m	
			Laboratory sample ID	PR2035874-031		PR2035874-032		PR2035874-033	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**88.7**	± 6.0%	**87.8**	± 6.0%	**87.1**	± 6.0%
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----

Sub-Matrix: **SOIL**

			Client sample ID	**K11.6-0.5m**		**K11.6-2m**		**K11.6-3m**		
			Laboratory sample ID	*PR2035874-034*		*PR2035874-035*		*PR2035874-036*		
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020		
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	**----**	----	<1	----	**----**	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**97.9**	± 6.0%	**93.4**	± 6.0%	**98.0**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1240**	± 20.0%	**----**	----	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.28**	± 20.0%	**----**	----	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**11.3**	± 20.0%	**----**	----	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.040**	± 20.0%	**----**	----	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**40200**	± 20.0%	**----**	----	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.81**	± 20.0%	**----**	----	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.93**	± 20.0%	**----**	----	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**1.1**	± 20.0%	**----**	----	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**1520**	± 20.0%	**----**	----	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.6**	± 20.0%	**----**	----	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**674**	± 20.0%	**----**	----	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**77.7**	± 20.0%	**----**	----	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.8**	± 20.0%	**----**	----	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**80.6**	± 20.0%	**----**	----	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**244**	± 20.0%	**----**	----	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**251**	± 20.0%	**----**	----	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**183**	± 20.0%	**----**	----	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**162**	± 20.0%	**----**	----	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**52**	± 20.0%	**----**	----	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**68.9**	± 20.0%	**----**	----	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**3.40**	± 20.0%	**----**	----	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**5.1**	± 20.0%	**----**	----	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**----**	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	**----**	----	**16**	± 30.0%
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	**----**	----	<0.10	----	**----**	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	**----**	----	<0.10	----	**----**	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	**----**	----	<0.10	----	**----**	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	**----**	----	<0.10	----	**----**	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	**----**	----	<0.10	----	**----**	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	**----**	----	<0.10	----	**----**	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----

Sub-Matrix: **SOIL**

				Client sample ID		K11.6-0.5m		K11.6-2m		K11.6-3m	
				Laboratory sample ID		PR2035874-034		PR2035874-035		PR2035874-036	
				Client sampling date / time		07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	Method	LOR	Unit			Result	MU	Result	MU	Result	MU
Halogenated Volatile Organic Compounds - Continued											
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW			----	----	<1.0	----	----	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Non-Halogenated Volatile Organic Compounds											
Styrene	S-VOCGMS05	0.050	mg/kg DW			----	----	<0.050	----	----	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW			----	----	<0.10	----	----	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW			----	----	<0.80	----	----	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW			----	----	<1.0	----	----	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW			----	----	<1.50	----	----	----
Aromatic Compounds											
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**

			Client sample ID	**K11.6-0.5m**		**K11.6-2m**		**K11.6-3m**		
			Laboratory sample ID	*PR2035874-034*		*PR2035874-035*		*PR2035874-036*		
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020		
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Aromatic Compounds - Continued									
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	<0.040	----	----	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	<0.005	----	----	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11.6-0.5m**		**K11.6-2m**		**K11.6-3m**	
			Laboratory sample ID	*PR2035874-034*		*PR2035874-035*		*PR2035874-036*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Phthalates - Continued									
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.2-1m**		**K12.2-5m**		**K12.2-6m**	
			Laboratory sample ID	*PR2035874-037*		*PR2035874-038*		*PR2035874-039*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	<0.50	----	**----**	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	<1	----	<1	----	**----**	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**92.6**	± 6.0%	**83.8**	± 6.0%	**74.4**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1290**	± 20.0%	**----**	----	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.86**	± 20.0%	**----**	----	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**10.4**	± 20.0%	**----**	----	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.040**	± 20.0%	**----**	----	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**54000**	± 20.0%	**----**	----	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**4.25**	± 20.0%	**----**	----	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.67**	± 20.0%	**----**	----	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**1380**	± 20.0%	**----**	----	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**1.6**	± 20.0%	**----**	----	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.8**	± 20.0%	**----**	----	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**9660**	± 20.0%	**----**	----	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**59.9**	± 20.0%	**----**	----	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.8**	± 20.0%	**----**	----	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**91.6**	± 20.0%	**----**	----	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**221**	± 20.0%	**----**	----	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**265**	± 20.0%	**----**	----	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**250**	± 20.0%	**----**	----	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**138**	± 20.0%	**----**	----	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**121**	± 20.0%	**----**	----	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**60.2**	± 20.0%	**----**	----	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**5.10**	± 20.0%	**----**	----	**----**	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K12.2-1m**		**K12.2-5m**		**K12.2-6m**	
			Laboratory sample ID	*PR2035874-037*		*PR2035874-038*		*PR2035874-039*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Zinc	S-METAXHB1	3.0	mg/kg DW	**7.6**	± 20.0%	**----**	----	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	<0.20	----	**----**	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	<0.20	----	**----**	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	<0.20	----	<0.20	----	**----**	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	**----**	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----

Sub-Matrix: **SOIL**

			Client sample ID	**K12.2-1m**		**K12.2-5m**		**K12.2-6m**		
			Laboratory sample ID	*PR2035874-037*		*PR2035874-038*		*PR2035874-039*		
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020		
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	<0.80	----	<0.80	----	----	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	<1.0	----	<1.0	----	----	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	<1.50	----	<1.50	----	----	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	<0.10	----	<0.10	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	<0.020	----	----	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	<1.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	<1.00	----	----	----

Sub-Matrix: **SOIL**										
			Client sample ID	**K12.2-1m**		**K12.2-5m**		**K12.2-6m**	
			Laboratory sample ID	*PR2035874-037*		*PR2035874-038*		*PR2035874-039*	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		07-Apr-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Nitroaromatic Compounds - Continued									
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	<1.00	----	**----**	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	<0.040	----	<0.040	----	**----**	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	<0.020	----	**----**	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	<0.005	----	<0.005	----	**----**	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	<0.50	----	**----**	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	<0.050	----	**----**	----

Sub-Matrix: **SOIL**									
			Client sample ID	**K12.3-0.5m-DUP**		**K9.3-3m-DUP**		**----**	
			Laboratory sample ID	*PR2035874-040*		*PR2035874-041*		----	
			Client sampling date / time	07-Apr-2020		07-Apr-2020		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**93.9**	± 6.0%	**69.6**	± 6.0%	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	**----**	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	**----**	----

Sub-Matrix: **WATER**									
			Client sample ID	**FB**		**----**		**----**	
			Laboratory sample ID	*PR2035874-042*		----		----	
			Client sampling date / time	07-Apr-2020		----		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Total Metals / Major Cations									
Aluminium	W-METAXFX1	0.010	mg/L	**0.033**	± 10.0%	**----**	----	**----**	----
Antimony	W-METAXFX1	0.010	mg/L	<0.010	----	**----**	----	**----**	----
Arsenic	W-METAXFX1	0.0050	mg/L	<0.0050	----	**----**	----	**----**	----
Barium	W-METAXFX1	0.00050	mg/L	**0.0358**	± 10.0%	**----**	----	**----**	----
Beryllium	W-METAXFX1	0.00020	mg/L	<0.00020	----	**----**	----	**----**	----
Bismuth	W-METAXFX2	0.010	mg/L	<0.010	----	**----**	----	**----**	----
Boron	W-METAXFX1	0.010	mg/L	**0.206**	± 10.0%	**----**	----	**----**	----
Cadmium	W-METAXFX1	0.00040	mg/L	<0.00040	----	**----**	----	**----**	----
Calcium	W-METAXFX1	0.0050	mg/L	**39.2**	± 10.0%	**----**	----	**----**	----

Sub-Matrix: **WATER**				*Client sample ID*	**FB**		**----**		**----**	
				Laboratory sample ID	*PR2035874-042*		----		----	
				Client sampling date / time	07-Apr-2020		----		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Total Metals / Major Cations - Continued									
Chromium	W-METAXFX1	0.0010	mg/L	<0.0010	----	----	----	----	----
Cobalt	W-METAXFX1	0.0020	mg/L	<0.0020	----	----	----	----	----
Copper	W-METAXFX1	0.0010	mg/L	**0.0018**	± 10.0%	----	----	----	----
Iron	W-METAXFX1	0.0020	mg/L	**0.120**	± 10.0%	----	----	----	----
Lead	W-METAXFX1	0.0050	mg/L	<0.0050	----	----	----	----	----
Lithium	W-METAXFX1	0.0010	mg/L	**0.0065**	± 10.0%	----	----	----	----
Magnesium	W-METAXFX1	0.0030	mg/L	**15.0**	± 10.0%	----	----	----	----
Manganese	W-METAXFX1	0.00050	mg/L	**0.00234**	± 10.0%	----	----	----	----
Mercury	W-HG-AFSFXL	0.0020	µg/L	<0.0020	----	----	----	----	----
Molybdenum	W-METAXFX1	0.0020	mg/L	<0.0020	----	----	----	----	----
Nickel	W-METAXFX1	0.0020	mg/L	<0.0020	----	----	----	----	----
Phosphorus	W-METAXFX1	0.050	mg/L	<0.050	----	----	----	----	----
Potassium	W-METAXFX1	0.015	mg/L	**4.59**	± 10.0%	----	----	----	----
Selenium	W-METAXFX1	0.010	mg/L	<0.010	----	----	----	----	----
Silicon	W-METAXFX2	0.010	mg/L	**2.52**	± 10.0%	----	----	----	----
Silver	W-METAXFX1	0.0010	mg/L	<0.0010	----	----	----	----	----
Sodium	W-METAXFX1	0.030	mg/L	**78.9**	± 10.0%	----	----	----	----
Strontium	W-METAXFX2	0.0010	mg/L	**0.317**	± 10.0%	----	----	----	----
Sulphur	W-METAXFX2	0.060	mg/L	**7.79**	± 10.0%	----	----	----	----
Tellurium	W-METAXFX2	0.010	mg/L	<0.010	----	----	----	----	----
Thallium	W-METAXFX1	0.010	mg/L	<0.010	----	----	----	----	----
Tin	W-METAXFX2	0.010	mg/L	<0.010	----	----	----	----	----
Titanium	W-METAXFX2	0.0010	mg/L	<0.0010	----	----	----	----	----
Vanadium	W-METAXFX1	0.0010	mg/L	<0.0010	----	----	----	----	----
Zinc	W-METAXFX1	0.0020	mg/L	**0.161**	± 10.0%	----	----	----	----
Zirconium	W-METAXFX2	0.0010	mg/L	<0.0010	----	----	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	W-TPHFID14	30	µg/L	<30	----	----	----	----	----
C10 - C28 Fraction (DRO)	W-TPHFID14	35	µg/L	<35	----	----	----	----	----
BTEX									
Benzene	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
Toluene	W-VOCGMS01	0.50	µg/L	<0.50	----	----	----	----	----
Ethylbenzene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
meta- & para-Xylene	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
ortho-Xylene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
Sum of BTEX	W-VOCGMS01	1.10	µg/L	<1.10	----	----	----	----	----
Sum of xylenes	W-VOCGMS01	0.30	µg/L	<0.30	----	----	----	----	----
Sum of TEX	W-VOCGMS01	0.90	µg/L	<0.90	----	----	----	----	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
1.1.1-Trichloroethane	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
1.1.2.2-Tetrachloroethane	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
1.1.2-Trichloroethane	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
1.1-Dichloroethane	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
1.1-Dichloroethene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
1.1-Dichloropropene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
1.2.3-Trichlorobenzene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
1.2.3-Trichloropropane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
1.2.4-Trichlorobenzene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
1.2-Dibromo-3-chloropropane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
1.2-Dibromoethane (EDB)	W-VOCGMS01	0.50	µg/L	<0.50	----	----	----	----	----
1.2-Dichlorobenzene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
1.2-Dichloroethane	W-VOCGMS01	0.50	µg/L	<0.50	----	----	----	----	----
1.2-Dichloropropane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
1.3.5-Trichlorobenzene	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
1.3-Dichlorobenzene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
1.3-Dichloropropane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
1.4-Dichlorobenzene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----

Sub-Matrix: **WATER**				*Client sample ID*	**FB**		**----**		**----**	
				Laboratory sample ID	*PR2035874-042*		----		----	
				Client sampling date / time	07-Apr-2020		----		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
2.2-Dichloropropane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
2-Chlorotoluene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
4-Chlorotoluene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Bromobenzene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Bromochloromethane	W-VOCGMS01	2.0	µg/L	<2.0	----	----	----	----	----
Bromodichloromethane	W-VOCGMS01	0.10	µg/L	**0.13**	± 40.0%	----	----	----	----
Bromoform	W-VOCGMS01	0.20	µg/L	**37.9**	± 40.0%	----	----	----	----
Bromomethane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Chlorobenzene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
Chloroethane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Chloroform	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
Chloromethane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
cis-1.2-Dichloroethene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
cis-1.3-Dichloropropene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Dibromochloromethane	W-VOCGMS01	0.10	µg/L	**1.06**	± 40.0%	----	----	----	----
Dibromomethane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Dichlorodifluoromethane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Dichloromethane	W-VOCGMS01	6.0	µg/L	<6.0	----	----	----	----	----
Hexachlorobutadiene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Sum of 3 Dichlorobenzenes	W-VOCGMS01	0.30	µg/L	<0.30	----	----	----	----	----
Sum of 3 Trichlorobenzenes	W-VOCGMS01	0.40	µg/L	<0.40	----	----	----	----	----
Sum of 4 Trihalomethanes	W-VOCGMS01	0.50	µg/L	**39.1**	----	----	----	----	----
Sum of 5 Chlorinated Ethenes	W-VOCGMS01	0.60	µg/L	<0.60	----	----	----	----	----
Tetrachloroethene	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
Tetrachloromethane	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
trans-1.2-Dichloroethene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
trans-1.3-Dichloropropene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Trichloroethene	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
Trichlorofluoromethane	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Vinyl chloride	W-VOCGMS01	0.10	µg/L	<0.10	----	----	----	----	----
Sum of 1.2-Dichloroethenes	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
Non-Halogenated Volatile Organic Compounds									
1.2.4-Trimethylbenzene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
1.3.5-Trimethylbenzene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Diisopropyl ether (DIPE)	W-VOCGMS01	0.60	µg/L	<0.60	----	----	----	----	----
Ethyl tert-Butyl Ether (ETBE)	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
Isopropylbenzene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Methyl tert-Butyl Ether (MTBE)	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
n-Butylbenzene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
n-Propylbenzene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
p-Isopropyltoluene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
sec-Butylbenzene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Styrene	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
Sum of BTEXS	W-VOCGMS01	1.3	µg/L	<1.3	----	----	----	----	----
tert-Amyl Ethyl Ether (TAEE)	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
tert-Amyl Methyl Ether (TAME)	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
tert-Butyl alcohol	W-VOCGMS01	5.0	µg/L	<5.0	----	----	----	----	----
tert-Butylbenzene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----
Indane	W-VOCGMS01	0.20	µg/L	<0.20	----	----	----	----	----
1.4-Dioxane	W-VOCGMS01	50	µg/L	<50	----	----	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Naphthalene	W-VOCGMS01	1.0	µg/L	<1.0	----	----	----	----	----

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.

Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
S-CLPGMS01	CZ_SOP_D06_03_158 - except chap. 9.1, 9.2 a 9.4 (US EPA 8041, US EPA 3500, DIN ISO 14154) Determination of phenols, chlorinated phenols and cresols by gas chromatography method with detection MS and calculation of phenols, chlorinated phenols and cresols sums from measured values
S-DRY-GRCI	CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values.
S-METAXHB1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-SMVGMS03	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN 15527, ISO 18287, ISO 10382, CSN EN 15308, samples preparation as per CZ_SOP_D06_03_P01, chap. 9.2, 9.3, 9.4.2, US EPA 3546). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values
S-SVOCSUM01	CZ_SOP_D06_03_J02 Calculation of sums for parameters of organic chemistry method.
S-TPHFID14	CZ_SOP_D06_03_150 (CSN EN 14039, CSN EN ISO 16703, CSN P CEN ISO 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection
S-VOCGMS05	CZ_SOP_D06_03_155 except chap. 10.4 (US EPA 8260, US EPA 5021A, US EPA 5021, US EPA 8015, CSN EN ISO 22155, CSN EN ISO 15009, CSN EN ISO 16558-1, MADEP 2004, rev. 1.1) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values.
W-HG-AFSFXL	CZ_SOP_D06_02_096 (US EPA 245.7, CSN EN ISO 17852, CSN EN 16192, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2.) - Determination of Mercury by Fluorescence Spectrometry. Sample was fixed by nitric acid addition prior to analysis.
W-METAXFX1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, CSN EN 16192, US EPA 6010, SM 3120, CSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg. Sample was fixed by nitric acid addition prior to analysis.
W-METAXFX2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, CSN EN 16192, US EPA 6010, SM 3120, CSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg. Sample was fixed by nitric acid addition prior to analysis.
W-TPHFID14	CZ_SOP_D06_03_151 (CSN EN ISO 9377-2, US EPA 8015, US EPA 3510, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection
W-VOCGMS01	CZ_SOP_D06_03_155 except chap. 10.5, 10.6 (US EPA 624, US EPA 8260, US EPA 8015, CSN EN ISO 10301, MADEP 2004, rev. 1.1, CSN ISO 11423, CSN EN ISO 15680) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values

Preparation Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
* S-PPHOM2	Drying and sieving of sample on the grain size < 2 mm

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

CERTIFICATE OF ANALYSIS

Work Order	: **PR2062670**	Issue Date	: 07-Jul-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
Address	: Hameginim Ave. 53 3326518 Haifa	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-201-20	Page	: 1 of 31
Order number	: ----	Date Samples Received	: 30-Jun-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 30-Jun-2020 - 07-Jul-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Sample(s) PR2062670/005,007, method S-TPHFID14 - contain(s) high-boiling hydrocarbons with retention time higher than retention time of C40.

Sample(s) PR2062670/022, method S-TPHFID14 - contain(s) low-boiling hydrocarbons with retention time less than retention time of C10.

Sample(s) PR2062670/006,024, method S-CLPGMS01 - LOR for particular sample(s) raised due to matrix interference.

Sample(s) PR2062670/022, method S-SMVGMS03 - LOR for particular sample(s) raised due to matrix interference.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories	*Position*
Zdeněk Jirák	Environmental Business Unit Manager

L 1163

Analytical Results

Sub-Matrix: **SOIL**			Client sample ID	KGW14-4-0.5m		KGW14-4-3m		KGW14-3-0.5m	
			Laboratory sample ID	PR2062670-001		PR2062670-002		PR2062670-003	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	**----**	----	<1.0	----	**----**	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**98.8**	± 6.0%	**82.5**	± 6.0%	**96.7**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**896**	± 20.0%	**----**	----	**901**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.36**	± 20.0%	**----**	----	**2.47**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**9.30**	± 20.0%	**----**	----	**11.6**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.035**	± 20.0%	**----**	----	**0.044**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**1.9**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**38000**	± 20.0%	**----**	----	**84600**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.10**	± 20.0%	**----**	----	**3.64**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.54**	± 20.0%	**----**	----	**0.63**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Iron	S-METAXHB1	10	mg/kg DW	**1200**	± 20.0%	**----**	----	**1400**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.2**	± 20.0%	**----**	----	**1.2**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**634**	± 20.0%	**----**	----	**1370**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**65.2**	± 20.0%	**----**	----	**95.8**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.0**	± 20.0%	**----**	----	<1.0	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**95.2**	± 20.0%	**----**	----	**147**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**162**	± 20.0%	**----**	----	**165**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**230**	± 20.0%	**----**	----	**226**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**174**	± 20.0%	**----**	----	**379**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**136**	± 20.0%	**----**	----	**304**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**58**	± 20.0%	**----**	----	**133**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**55.5**	± 20.0%	**----**	----	**49.2**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**4.04**	± 20.0%	**----**	----	**3.16**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	**----**	----	<3.0	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----

Sub-Matrix: **SOIL**										
			Client sample ID	**KGW14-4-0.5m**		**KGW14-4-3m**		**KGW14-3-0.5m**	
			Laboratory sample ID	*PR2062670-001*		*PR2062670-002*		*PR2062670-003*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Bromomethane	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloromethane	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dichloromethane	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Non-Halogenated Volatile Organic Compounds									
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Styrene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW	----	----	**16**	± 30.0%	----	----
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			Client sample ID	KGW14-4-0.5m		KGW14-4-3m		KGW14-3-0.5m	
			Laboratory sample ID	PR2062670-001		PR2062670-002		PR2062670-003	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Aromatic Compounds - Continued									
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Naphthalene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	<0.040	----	----	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	<0.005	----	----	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW14-4-0.5m**		**KGW14-4-3m**		**KGW14-3-0.5m**	
			Laboratory sample ID	*PR2062670-001*		*PR2062670-002*		*PR2062670-003*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW14-3-3m**		**KGW14-2-0.5m**		**KGW14-2-3m**	
			Laboratory sample ID	*PR2062670-004*		*PR2062670-005*		*PR2062670-006*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	<1.0	----	----	----	<1.0	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**81.3**	± 6.0%	**96.3**	± 6.0%	**84.2**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	**2360**	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	**2.61**	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	**14.4**	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	**0.073**	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	**2.2**	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	**112000**	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	**7.46**	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	**1.04**	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	**3.2**	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	**2510**	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	**3.0**	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	**2.9**	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	**16200**	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	**91.8**	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	**4.4**	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	**126**	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	**364**	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	**202**	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	**262**	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	**251**	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	**213**	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	**117**	± 20.0%	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW14-3-3m**		**KGW14-2-0.5m**		**KGW14-2-3m**	
			Laboratory sample ID	*PR2062670-004*		*PR2062670-005*		*PR2062670-006*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**10.7**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**29.6**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**102**	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	**28**	± 30.0%	<12	----
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	<10	----	**----**	----	<10	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	<10	----	**----**	----	<10	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Bromomethane	S-VOCGMS06	10	µg/kg DW	<10	----	**----**	----	<10	----
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Chloromethane	S-VOCGMS06	10	µg/kg DW	<10	----	**----**	----	<10	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Dichloromethane	S-VOCGMS06	10	µg/kg DW	<10	----	**----**	----	<10	----
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW	<10	----	**----**	----	<10	----
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW14-3-3m**		**KGW14-2-0.5m**		**KGW14-2-3m**	
			Laboratory sample ID	*PR2062670-004*		*PR2062670-005*		*PR2062670-006*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Non-Halogenated Volatile Organic Compounds									
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Styrene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW	**12**	± 30.0%	----	----	**28**	± 30.0%
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Naphthalene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----

Sub-Matrix: SOIL			Client sample ID	KGW14-3-3m		KGW14-2-0.5m		KGW14-2-3m	
			Laboratory sample ID	PR2062670-004		PR2062670-005		PR2062670-006	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Nitroaromatic Compounds - Continued									
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	<0.040	----	----	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	<0.005	----	----	----	<0.010	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----

Sub-Matrix: SOIL			Client sample ID	KGW14-5-0.5m		KGW14-5-3m		KGW14-1-1m	
			Laboratory sample ID	PR2062670-007		PR2062670-008		PR2062670-009	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	----	----	<1.0	----	----	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**97.1**	± 6.0%	**87.3**	± 6.0%	**96.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1400**	± 20.0%	----	----	**943**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**4.10**	± 20.0%	----	----	**2.01**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**14.6**	± 20.0%	----	----	**11.2**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.050**	± 20.0%	----	----	**0.035**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.2**	± 20.0%	----	----	**1.6**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**99200**	± 20.0%	----	----	**76400**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**4.40**	± 20.0%	----	----	**3.33**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.73**	± 20.0%	----	----	**0.54**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**1.3**	± 20.0%	----	----	<1.0	----
Iron	S-METAXHB1	10	mg/kg DW	**1720**	± 20.0%	----	----	**1340**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**3.9**	± 20.0%	----	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.8**	± 20.0%	----	----	**1.4**	± 20.0%

Sub-Matrix: **SOIL**										
			Client sample ID	**KGW14-5-0.5m**		**KGW14-5-3m**		**KGW14-1-1m**	
			Laboratory sample ID	*PR2062670-007*		*PR2062670-008*		*PR2062670-009*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Magnesium	S-METAXHB2	5.0	mg/kg DW	**3720**	± 20.0%	**----**	----	**1170**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**104**	± 20.0%	**----**	----	**91.1**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.9**	± 20.0%	**----**	----	<1.0	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**162**	± 20.0%	**----**	----	**180**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**239**	± 20.0%	**----**	----	**181**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**227**	± 20.0%	**----**	----	**260**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**431**	± 20.0%	**----**	----	**319**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**324**	± 20.0%	**----**	----	**262**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**192**	± 20.0%	**----**	----	**119**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**79.6**	± 20.0%	**----**	----	**51.5**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**6.61**	± 20.0%	**----**	----	**3.07**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**9.3**	± 20.0%	**----**	----	<3.0	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	**15**	± 30.0%	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	**----**	----	<10	----	**----**	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	**----**	----	<10	----	**----**	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Bromomethane	S-VOCGMS06	10	µg/kg DW	**----**	----	<10	----	**----**	----

Sub-Matrix: **SOIL**										
			Client sample ID	**KGW14-5-0.5m**		**KGW14-5-3m**		**KGW14-1-1m**	
			Laboratory sample ID	*PR2062670-007*		*PR2062670-008*		*PR2062670-009*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloromethane	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dichloromethane	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Non-Halogenated Volatile Organic Compounds									
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Styrene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW	----	----	**60**	± 30.0%	----	----
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Naphthalene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chlorinated Hydrocarbons									

Sub-Matrix: SOIL			Client sample ID	KGW14-5-0.5m		KGW14-5-3m		KGW14-1-1m	
			Laboratory sample ID	PR2062670-007		PR2062670-008		PR2062670-009	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Chlorinated Hydrocarbons - Continued									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	<0.040	----	----	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	<0.005	----	----	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: SOIL			Client sample ID	KGW14-1-3m		KGW11-4-0.5m		KGW11-4-4m	
			Laboratory sample ID	PR2062670-010		PR2062670-011		PR2062670-012	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	<1.0	----	----	----	<1.0	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW14-1-3m**		**KGW11-4-0.5m**		**KGW11-4-4m**	
			Laboratory sample ID	*PR2062670-010*		*PR2062670-011*		*PR2062670-012*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**86.0**	± 6.0%	**95.5**	± 6.0%	**69.4**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**----**	----	**3800**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**2.29**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**16.0**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.116**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.7**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**60300**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**7.28**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.61**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.0**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**4160**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.5**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.8**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**1180**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**98.3**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.7**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**120**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**653**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**217**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**199**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**246**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**70**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**171**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**6.59**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**11.6**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	<10	----	**----**	----	<10	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	<10	----	**----**	----	<10	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	**----**	----	<5.0	----

Sub-Matrix: **SOIL**										
			Client sample ID		**KGW14-1-3m**		**KGW11-4-0.5m**		**KGW11-4-4m**	
			Laboratory sample ID		*PR2062670-010*		*PR2062670-011*		*PR2062670-012*	
			Client sampling date / time		24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued										
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Bromomethane	S-VOCGMS06	10	µg/kg DW		<10	----	----	----	<10	----
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Chloromethane	S-VOCGMS06	10	µg/kg DW		<10	----	----	----	<10	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Dichloromethane	S-VOCGMS06	10	µg/kg DW		<10	----	----	----	<10	----
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW		<10	----	----	----	<10	----
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Non-Halogenated Volatile Organic Compounds										
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW		<10	----	----	----	<10	----
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW		<10	----	----	----	<10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Styrene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW		**105**	± 30.0%	----	----	<10	----
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		<5.0	----	----	----	<5.0	----
Aromatic Compounds										
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)										

Sub-Matrix: **SOIL**				*Client sample ID*	**KGW14-1-3m**		**KGW11-4-0.5m**		**KGW11-4-4m**	
				Laboratory sample ID	*PR2062670-010*		*PR2062670-011*		*PR2062670-012*	
				Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Polycyclic Aromatics Hydrocarbons (PAHs) - Continued										
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Naphthalene	S-VOCGMS06	10	µg/kg DW		<10	----	----	----	<10	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Chlorinated Hydrocarbons										
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Nitrosoamines										
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Anilines										
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW		<0.50	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Nitroaromatic Compounds										
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW		<1.00	----	----	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW		<1.00	----	----	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW		<1.00	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Chlorophenols										
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW		<0.040	----	----	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW		<0.020	----	----	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW		<0.005	----	----	----	<0.005	----
Cresols, Phenols and Naphtols										
Phenol	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Phthalates										
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW		<0.050	----	----	----	<0.050	----

Sub-Matrix: SOIL			Client sample ID	KGW14-1-3m		KGW11-4-0.5m		KGW11-4-4m	
			Laboratory sample ID	PR2062670-010		PR2062670-011		PR2062670-012	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Phthalates - Continued									
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----

Sub-Matrix: SOIL			Client sample ID	KGW11-1-0.5m		KGW11-1-3m		KGW11-2-0.5m	
			Laboratory sample ID	PR2062670-013		PR2062670-014		PR2062670-015	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	----	----	<1.0	----	----	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	95.2	± 6.0%	65.9	± 6.0%	95.4	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	3710	± 20.0%	----	----	3860	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	3.10	± 20.0%	----	----	2.35	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	17.8	± 20.0%	----	----	17.9	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	0.121	± 20.0%	----	----	0.121	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	2.1	± 20.0%	----	----	2.2	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	75900	± 20.0%	----	----	66700	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	7.28	± 20.0%	----	----	7.44	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	1.52	± 20.0%	----	----	1.69	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	2.0	± 20.0%	----	----	2.3	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	4020	± 20.0%	----	----	4180	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	3.9	± 20.0%	----	----	4.0	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	1450	± 20.0%	----	----	1340	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	92.4	± 20.0%	----	----	105	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	----	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	3.1	± 20.0%	----	----	3.4	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	110	± 20.0%	----	----	142	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	686	± 20.0%	----	----	684	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	----	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	184	± 20.0%	----	----	215	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	264	± 20.0%	----	----	226	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	352	± 20.0%	----	----	345	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	126	± 20.0%	----	----	97	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	150	± 20.0%	----	----	151	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	6.76	± 20.0%	----	----	30.0	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	6.0	± 20.0%	----	----	6.4	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	----	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	37	± 30.0%	16	± 30.0%	<10	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW11-1-0.5m**		**KGW11-1-3m**		**KGW11-2-0.5m**	
			Laboratory sample ID	*PR2062670-013*		*PR2062670-014*		*PR2062670-015*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Total Petroleum Hydrocarbons - Continued									
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	**159**	± 30.0%	**38**	± 30.0%	<12	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	----	----	<0.20	----	----	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	----	----	<0.20	----	----	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	----	----	<0.20	----	----	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	----	----	<1.0	----	----	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----

Sub-Matrix: **SOIL**				Client sample ID	KGW11-1-0.5m		KGW11-1-3m		KGW11-2-0.5m	
				Laboratory sample ID	PR2062670-013		PR2062670-014		PR2062670-015	
				Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Non-Halogenated Volatile Organic Compounds - Continued										
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW		----	----	<0.80	----	----	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW		----	----	<1.0	----	----	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW		----	----	<1.50	----	----	----
Aromatic Compounds										
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)										
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Chlorinated Hydrocarbons										
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Nitrosoamines										
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Anilines										
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW		----	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Nitroaromatic Compounds										
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW		----	----	<1.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW		----	----	<1.00	----	----	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW		----	----	<1.00	----	----	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW11-1-0.5m**		**KGW11-1-3m**		**KGW11-2-0.5m**	
			Laboratory sample ID	*PR2062670-013*		*PR2062670-014*		*PR2062670-015*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	<0.040	----	----	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	<0.005	----	----	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	**0.125**	± 30.0%	----	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW11-2-3m**		**KGW11-6-0.5m**		**KGW11-6-3m**	
			Laboratory sample ID	*PR2062670-016*		*PR2062670-017*		*PR2062670-018*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	<1.0	----	----	----	<1.0	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**85.7**	± 6.0%	**95.7**	± 6.0%	**94.4**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	**2740**	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	**1.82**	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	**18.4**	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	**0.091**	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	**1.4**	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	**42700**	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	**6.04**	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	**1.42**	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	**2.2**	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	**4020**	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	**3.5**	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	**2.6**	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	**982**	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	**99.5**	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	**3.4**	± 20.0%	----	----

Sub-Matrix: **SOIL**			Client sample ID	KGW11-2-3m		KGW11-6-0.5m		KGW11-6-3m	
			Laboratory sample ID	PR2062670-016		PR2062670-017		PR2062670-018	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	**103**	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	**455**	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	**216**	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	**176**	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	**166**	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	**53**	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	**124**	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	**8.18**	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	**52.8**	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Bromomethane	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Chloromethane	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----

Sub-Matrix: **SOIL**										
			Client sample ID	**KGW11-2-3m**		**KGW11-6-0.5m**		**KGW11-6-3m**		
			Laboratory sample ID	*PR2062670-016*		*PR2062670-017*		*PR2062670-018*		
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020		
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**	
Halogenated Volatile Organic Compounds - Continued										
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Dichloromethane	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Non-Halogenated Volatile Organic Compounds										
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Styrene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Aromatic Compounds										
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
Carbazole	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
Polycyclic Aromatics Hydrocarbons (PAHs)										
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Fluorene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Naphthalene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Chrysene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----	
Chlorinated Hydrocarbons										
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
Nitrosoamines										

Sub-Matrix: **SOIL**			Client sample ID	KGW11-2-3m		KGW11-6-0.5m		KGW11-6-3m	
			Laboratory sample ID	PR2062670-016		PR2062670-017		PR2062670-018	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Nitrosoamines - Continued									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	**----**	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	**----**	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	**----**	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	**----**	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	**----**	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	<0.040	----	**----**	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	**----**	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	**----**	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	<0.005	----	**----**	----	<0.005	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	**----**	----	<0.050	----

Sub-Matrix: **SOIL**			Client sample ID	KGW11-3-0.5m		KGW11-3-3m		KGW11-5-0.5m	
			Laboratory sample ID	PR2062670-019		PR2062670-020		PR2062670-021	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	**----**	----	<1.0	----	**----**	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**94.7**	± 6.0%	**87.7**	± 6.0%	**97.1**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1690**	± 20.0%	**----**	----	**1620**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW11-3-0.5m**		**KGW11-3-3m**		**KGW11-5-0.5m**	
			Laboratory sample ID	*PR2062670-019*		*PR2062670-020*		*PR2062670-021*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Arsenic	S-METAXHB1	0.50	mg/kg DW	**6.16**	± 20.0%	**----**	----	**1.29**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**19.2**	± 20.0%	**----**	----	**12.4**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.044**	± 20.0%	**----**	----	**0.057**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.1**	± 20.0%	**----**	----	**1.1**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**133000**	± 20.0%	**----**	----	**48100**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**4.47**	± 20.0%	**----**	----	**4.76**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.93**	± 20.0%	**----**	----	**0.90**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**1.6**	± 20.0%	**----**	----	**1.3**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**2210**	± 20.0%	**----**	----	**1770**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.9**	± 20.0%	**----**	----	**1.6**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1040**	± 20.0%	**----**	----	**712**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**83.5**	± 20.0%	**----**	----	**70.4**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.7**	± 20.0%	**----**	----	**1.9**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**99.3**	± 20.0%	**----**	----	**129**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**229**	± 20.0%	**----**	----	**289**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**205**	± 20.0%	**----**	----	**248**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**135**	± 20.0%	**----**	----	**186**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**439**	± 20.0%	**----**	----	**178**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**84**	± 20.0%	**----**	----	**61**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**121**	± 20.0%	**----**	----	**82.7**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**7.34**	± 20.0%	**----**	----	**5.53**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**8.7**	± 20.0%	**----**	----	**4.2**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	<12	----	<12	----
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	**----**	----	<10	----	**----**	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	**----**	----	<10	----	**----**	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----

Sub-Matrix: **SOIL**				*Client sample ID*	**KGW11-3-0.5m**		**KGW11-3-3m**		**KGW11-5-0.5m**	
				Laboratory sample ID	*PR2062670-019*		*PR2062670-020*		*PR2062670-021*	
				Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued										
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Bromomethane	S-VOCGMS06	10	µg/kg DW		----	----	<10	----	----	----
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Chloromethane	S-VOCGMS06	10	µg/kg DW		----	----	<10	----	----	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Dichloromethane	S-VOCGMS06	10	µg/kg DW		----	----	<10	----	----	----
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW		----	----	<10	----	----	----
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Non-Halogenated Volatile Organic Compounds										
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW		----	----	<10	----	----	----
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW		----	----	<10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Styrene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW		----	----	**42**	± 30.0%	----	----
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	<5.0	----	----	----
Aromatic Compounds										
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW		----	----	<0.050	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)										
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW		----	----	<0.020	----	----	----
Naphthalene	S-VOCGMS06	10	µg/kg DW		----	----	<10	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW11-3-0.5m**		**KGW11-3-3m**		**KGW11-5-0.5m**	
			Laboratory sample ID	*PR2062670-019*		*PR2062670-020*		*PR2062670-021*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Polycyclic Aromatics Hydrocarbons (PAHs) - Continued									
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	<0.040	----	----	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	<0.005	----	----	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: SOIL			Client sample ID	KGW11-3-0.5m		KGW11-3-3m		KGW11-5-0.5m	
			Laboratory sample ID	PR2062670-019		PR2062670-020		PR2062670-021	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Aldehydes / Ketones - Continued									
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: SOIL			Client sample ID	KGW11-5-3m		KGW11-7-0.5m		KGW11-7-3m	
			Laboratory sample ID	PR2062670-022		PR2062670-023		PR2062670-024	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	Method	LOR	Unit	Result	MU	Result	MU	Result	MU
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1	mg/kg DW	2.5	----	----	----	<1.0	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	69.2	± 6.0%	94.0	± 6.0%	97.1	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	5340	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	2.24	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	19.8	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	0.175	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	2.2	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	42400	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	9.51	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	2.17	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	2.9	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	5570	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	4.7	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	1210	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	116	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	4.6	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	163	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	927	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	216	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	195	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	167	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	60	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	188	± 20.0%	----	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	8.10	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	8.5	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	39	± 30.0%	<10	----	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	1770	± 30.0%	<12	----	<12	----
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----

Sub-Matrix: **SOIL**										
			Client sample ID	**KGW11-5-3m**		**KGW11-7-0.5m**		**KGW11-7-3m**		
			Laboratory sample ID	*PR2062670-022*		*PR2062670-023*		*PR2062670-024*		
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020		
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**	
BTEX - Continued										
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Toluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Halogenated Volatile Organic Compounds										
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----	
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Bromoform	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Bromomethane	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Chloroethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Chloroform	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Chloromethane	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Dichloromethane	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Non-Halogenated Volatile Organic Compounds										
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----	
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----	

Sub-Matrix: **SOIL**										
			Client sample ID	**KGW11-5-3m**		**KGW11-7-0.5m**		**KGW11-7-3m**	
			Laboratory sample ID	*PR2062670-022*		*PR2062670-023*		*PR2062670-024*	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Non-Halogenated Volatile Organic Compounds - Continued									
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Styrene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	**44**	± 30.0%
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	<5.0	----	----	----	<5.0	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	**0.353**	± 30.0%	----	----	<0.050	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	**0.189**	± 30.0%	----	----	<0.050	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	**0.074**	± 30.0%	----	----	<0.020	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	**0.178**	± 30.0%	----	----	<0.020	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	**0.455**	± 30.0%	----	----	<0.020	----
Naphthalene	S-VOCGMS06	10	µg/kg DW	<10	----	----	----	<10	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	**1.02**	± 30.0%	----	----	<0.020	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	**0.078**	± 30.0%	----	----	<0.020	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	**0.036**	± 30.0%	----	----	<0.020	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	<0.020	----	----	----	<0.020	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	<0.400	----	----	----	<0.050	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.400	----	----	----	<0.050	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	<1.00	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.046	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.046	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	<0.040	----	----	----	<0.092	----

Sub-Matrix: **SOIL**			Client sample ID	KGW11-5-3m		KGW11-7-0.5m		KGW11-7-3m	
			Laboratory sample ID	PR2062670-022		PR2062670-023		PR2062670-024	
			Client sampling date / time	24-Jun-2020		24-Jun-2020		24-Jun-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Chlorophenols - Continued									
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.046	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	<0.020	----	----	----	<0.046	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	<0.005	----	----	----	<0.046	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	<3.50	----	----	----	<0.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	<0.050	----	----	----	<0.050	----

Sub-Matrix: **SOIL**			Client sample ID	KGW11-7-3m-DUP		Blank Methanol		Blank MMS	
			Laboratory sample ID	PR2062670-025		PR2062670-026		PR2062670-027	
			Client sampling date / time	24-Jun-2020		[30-Jun-2020]		[30-Jun-2020]	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.9**	± 6.0%	----	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	----	----	----	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	----	----	----	----
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	<0.050	----	----	----
Benzene	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	----	----	<0.20	----	----	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	----	----	<0.20	----	----	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	----	----	<5.0	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	----	----	<0.10	----	----	----

Sub-Matrix: **SOIL**				*Client sample ID*	**KGW11-7-3m-DUP**		**Blank Methanol**		**Blank MMS**	
				Laboratory sample ID	*PR2062670-025*		*PR2062670-026*		*PR2062670-027*	
				Client sampling date / time	24-Jun-2020		[30-Jun-2020]		[30-Jun-2020]	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued										
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW		----	----	<0.20	----	----	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Bromomethane	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Chloromethane	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Dichloromethane	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----

Sub-Matrix: **SOIL**				*Client sample ID*	**KGW11-7-3m-DUP**		**Blank Methanol**		**Blank MMS**	
				Laboratory sample ID	*PR2062670-025*		*PR2062670-026*		*PR2062670-027*	
				Client sampling date / time	24-Jun-2020		[30-Jun-2020]		[30-Jun-2020]	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued										
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW		----	----	<1.0	----	----	----
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Non-Halogenated Volatile Organic Compounds										
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
Styrene	S-VOCGMS05	0.050	mg/kg DW		----	----	<0.050	----	----	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
Styrene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW		----	----	----	----	<5.0	----
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW		----	----	<0.80	----	----	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW		----	----	<1.0	----	----	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW		----	----	<1.50	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)										
Naphthalene	S-VOCGMS05	0.10	mg/kg DW		----	----	<0.10	----	----	----
Naphthalene	S-VOCGMS06	10	µg/kg DW		----	----	----	----	<10	----

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.
Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	

Analytical Methods	*Method Descriptions*
S-CLPGMS01	CZ_SOP_D06_03_158 - except chap. 9.1, 9.2 a 9.4 (US EPA 8041, US EPA 3500, DIN ISO 14154) Determination of phenols, chlorinated phenols and cresols by gas chromatography method with detection MS and calculation of phenols, chlorinated phenols and cresols sums from measured values
S-DRY-GRCI	CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values.
S-METAXHB1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-SMVGMS03	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN 15527, ISO 18287, ISO 10382, CSN EN 15308, samples preparation as per CZ_SOP_D06_03_P01, chap. 9.2, 9.3, 9.4.2, US EPA 3546). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values
S-SVOCSUM01	CZ_SOP_D06_03_J02 Calculation of sums for parameters of organic chemistry method.
S-TPHFID14	CZ_SOP_D06_03_150 (CSN EN 14039, CSN EN ISO 16703, CSN P CEN ISO 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection
S-VOCGMS05	CZ_SOP_D06_03_155 except chap. 10.4 (US EPA 8260, US EPA 5021A, US EPA 5021, US EPA 8015, CSN EN ISO 22155, CSN EN ISO 15009, CSN EN ISO 16558-1, MADEP 2004, rev. 1.1) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values.
S-VOCGMS06	CZ_SOP_D06_03_155 except chap. 10.4 (US EPA 8260, US EPA 5021A, US EPA 5021, US EPA 8015, CSN EN ISO 22155, CSN EN ISO 15009, CSN EN ISO 16558-1, MADEP 2004, rev. 1.1) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values.

Preparation Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
* S-PPHOM2	Drying and sieving of sample on the grain size < 2 mm

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

Unit 7-8 Hawarden Business Park
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Deeside
CH5 3US
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Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

Dr Katz Technologies & Enterprises (KTE)
Hameginim 53
Haifa
Israel

Attention: Eyal Shvartz

CERTIFICATE OF ANALYSIS

Date of report Generation:	11 July 2020
Customer:	Dr Katz Technologies & Enterprises (KTE)
Sample Delivery Group (SDG):	200630-26
Your Reference:	KTE-201-20-HAW
Location:	Sde Dov
Report No:	558645

We received 2 samples on Tuesday June 30, 2020 and 2 of these samples were scheduled for analysis which was completed on Saturday July 11, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
22395844	KGW11-7		0.50	24/06/2020
22395843	KGW14-1		3.00	24/06/2020

Maximum Sample/Coolbox Temperature (°C) :

ISO5667-3 Water quality - Sampling - Part3 -

During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

16.2

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200630-26	**Client Reference:**	KTE-201-20-HAW	**Report Number:**	558645
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			22395844	22395843
Customer Sample Reference			KGW11-7	KGW14-1
AGS Reference				
Depth (m)			0.50	3.00
Container			125g Glass Jar	125g Glass Jar
Sample Type			S	S
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 1	X	
EPH by GCxGC-FID	All	NDPs: 0 Tests: 2	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 1	X	
Sample description	All	NDPs: 0 Tests: 2	X	X
Silver	All	NDPs: 0 Tests: 1	X	

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
22395844	KGW11-7	0.50	Dark Brown	Loamy Sand	None	None
22395843	KGW14-1	3.00	Light Brown	Silty Sand	None	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200630-26	**Client Reference:**	KTE-201-20-HAW	**Report Number:**	558645
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			KGW11-7	KGW14-1				
Depth (m)			0.50	3.00				
Sample Type			Soil/Solid (S)	Soil/Solid (S)				
Date Sampled			24/06/2020	24/06/2020				
Sample Time			.	.				
Date Received			30/06/2020	30/06/2020				
SDG Ref			200630-26	200630-26				
Lab Sample No.(s)			22395844	22395843				
AGS Reference								
Component	**LOD/Units**	**Method**						
Moisture Content Ratio (% of as received sample)	%	PM024	3.1	11				
Aluminium	<11 mg/kg	TM181	4270					
Antimony	<0.6 mg/kg	TM181	<0.6 #					
Arsenic	<0.6 mg/kg	TM181	2.72 M					
Barium	<0.6 mg/kg	TM181	21.5 #					
Beryllium	<0.01 mg/kg	TM181	0.16 M					
Boron	<0.7 mg/kg	TM181	1.78 #					
Cadmium	<0.02 mg/kg	TM181	0.0429 M					
Chromium	<0.9 mg/kg	TM181	7.88 M					
Cobalt	<0.1 mg/kg	TM181	2.24 M					
Copper	<1.4 mg/kg	TM181	2.26 M					
Iron	<1000 mg/kg	TM181	4430 #					
Lead	<0.7 mg/kg	TM181	1.33 M					
Manganese	<0.13 mg/kg	TM181	103 M					
Mercury	<0.14 mg/kg	TM181	<0.14 M					
Molybdenum	<0.1 mg/kg	TM181	<0.1 #					
Nickel	<0.2 mg/kg	TM181	4.84 M					
Phosphorus	<1 mg/kg	TM181	149					
Selenium	<1 mg/kg	TM181	<1 #					
Strontium	<0.4 mg/kg	TM181	162 #					
Tin	<0.24 mg/kg	TM181	<0.24 #					
Thallium	<0.7 mg/kg	TM181	<0.7 #					
Titanium	<0.1 mg/kg	TM181	142					
Vanadium	<0.2 mg/kg	TM181	7.96 #					
Zinc	<1.9 mg/kg	TM181	9.26 M					
Bismuth	<1 mg/kg	TM181	<1					
Lithium	<1 mg/kg	TM181	8.74					
Tellurium	<1 mg/kg	TM181	<1					
Calcium	<21 mg/kg	TM224	31000					
Sodium	<7 mg/kg	TM224	183					
Magnesium	<8 mg/kg	TM224	963					
Potassium	<16 mg/kg	TM224	766					
Silver	<10 mg/kg	TM250	<10					

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Validated

CERTIFICATE OF ANALYSIS

SDG:	200630-26	**Client Reference:**	KTE-201-20-HAW	**Report Number:**	558645
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			KGW11-7	KGW14-1				
Depth (m)			0.50	3.00				
Sample Type			Soil/Solid (S)	Soil/Solid (S)				
Date Sampled			24/06/2020	24/06/2020				
Sample Time			.	.				
Date Received			30/06/2020	30/06/2020				
SDG Ref			200630-26	200630-26				
Lab Sample No.(s)			22395844	22395843				
AGS Reference								
Component	**LOD/Units**	**Method**						
EPH Surrogate % recovery**	%	TM415	96.6	94				
EPH >C10-C40	<35 mg/kg	TM415	<35 M	<35 M				
EPH Band >C10-C12	<35 mg/kg	TM415	<35	<35				
EPH Band >C12-C16	<35 mg/kg	TM415	<35	<35				
EPH Band >C16-C21	<35 mg/kg	TM415	<35	<35				
EPH Band >C21-C28	<35 mg/kg	TM415	<35	<35				
EPH Band >C28-C35	<35 mg/kg	TM415	<35	<35				
EPH Band >C35-C40	<35 mg/kg	TM415	<35	<35				

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Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM224	US EPA Method 6010B	Determination of Alkaline Metals by iCap 6500 Duo ICP-OES
TM250		Determination of Silver in Soil by ICP-OES
TM415	Analysis of Petroleum Hydrocarbons in Environmental Media.	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	200630-26	**Client Reference:**	KTE-201-20-HAW	**Report Number:**	558645
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	22395844	22395843
Customer Sample Ref.	KGW11-7	KGW14-1
AGS Ref.		
Depth	0.50	3.00
Type	Soil/Solid (S)	Soil/Solid (S)
Alkali Metals by iCap-OES (Soil)	07-Jul-2020	
EPH by GCxGC-FID	11-Jul-2020	11-Jul-2020
Metals in solid samples by OES	09-Jul-2020	
Sample description	01-Jul-2020	01-Jul-2020
Silver	07-Jul-2020	

Appendix

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

General

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

CERTIFICATE OF ANALYSIS

Work Order	: **PR2073548**	Issue Date	: 04-Aug-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
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E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-239-20	Page	: 1 of 7
Order number	: ----	Date Samples Received	: 31-Jul-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 31-Jul-2020 - 04-Aug-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories	*Position*
Zdeněk Jirák	Environmental Business Unit Manager

L 1163

Analytical Results

Sub-Matrix: **SOIL**			Client sample ID	K15.31-9-0.5m		K15.31-9-3m		K15.31-6-0.5m	
			Laboratory sample ID	PR2073548-001		PR2073548-002		PR2073548-003	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**99.2**	± 6.0%	**79.6**	± 6.0%	**98.5**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**2180**	± 20.0%	**17600**	± 20.0%	**1890**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**3.87**	± 20.0%	**0.93**	± 20.0%	**2.77**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**16.4**	± 20.0%	**121**	± 20.0%	**19.0**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.068**	± 20.0%	**0.426**	± 20.0%	**0.060**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.5**	± 20.0%	**6.4**	± 20.0%	**1.8**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**0.51**	± 20.0%
Calcium	S-METAXHB2	50	mg/kg DW	**103000**	± 20.0%	**202000**	± 20.0%	**96900**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**5.13**	± 20.0%	**26.4**	± 20.0%	**9.05**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.13**	± 20.0%	**6.84**	± 20.0%	**1.31**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**3.4**	± 20.0%	**5.6**	± 20.0%	**30.8**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**2450**	± 20.0%	**15800**	± 20.0%	**4640**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**5.4**	± 20.0%	**2.6**	± 20.0%	**30.6**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**2.1**	± 20.0%	**19.7**	± 20.0%	**1.7**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**2630**	± 20.0%	**8120**	± 20.0%	**2390**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**106**	± 20.0%	**739**	± 20.0%	**112**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**3.0**	± 20.0%	**13.3**	± 20.0%	**6.5**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**114**	± 20.0%	**196**	± 20.0%	**133**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**298**	± 20.0%	**2620**	± 20.0%	**300**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**196**	± 20.0%	**117**	± 20.0%	**183**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**198**	± 20.0%	**559**	± 20.0%	**325**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**404**	± 20.0%	**2230**	± 20.0%	**354**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**120**	± 20.0%	**246**	± 20.0%	**116**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**111**	± 20.0%	**489**	± 20.0%	**86.8**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**8.71**	± 20.0%	**33.4**	± 20.0%	**11.6**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**8.5**	± 20.0%	**17.4**	± 20.0%	**35.6**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**10.5**	± 20.0%	<5.0	----

Sub-Matrix: **SOIL**			Client sample ID	K15.31-6-3m		K15.31-7-0.5m		K15.31-7-3m	
			Laboratory sample ID	PR2073548-004		PR2073548-005		PR2073548-006	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**97.4**	± 6.0%	**99.0**	± 6.0%	**94.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1930**	± 20.0%	**2830**	± 20.0%	**3730**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**3.42**	± 20.0%	**2.26**	± 20.0%	**3.85**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**19.8**	± 20.0%	**22.6**	± 20.0%	**28.2**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.059**	± 20.0%	**0.096**	± 20.0%	**0.112**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.0**	± 20.0%	**3.5**	± 20.0%	**2.5**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**78700**	± 20.0%	**85100**	± 20.0%	**75400**	± 20.0%

Sub-Matrix: **SOIL**			Client sample ID	K15.31-6-3m		K15.31-7-0.5m		K15.31-7-3m	
			Laboratory sample ID	PR2073548-004		PR2073548-005		PR2073548-006	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Chromium	S-METAXHB1	0.50	mg/kg DW	**5.69**	± 20.0%	**9.88**	± 20.0%	**9.79**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.25**	± 20.0%	**1.60**	± 20.0%	**2.50**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**11.8**	± 20.0%	**8.0**	± 20.0%	**29.5**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**2310**	± 20.0%	**5600**	± 20.0%	**9430**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**14.0**	± 20.0%	**6.0**	± 20.0%	**18.1**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.8**	± 20.0%	**3.3**	± 20.0%	**3.6**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1970**	± 20.0%	**8200**	± 20.0%	**4420**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**108**	± 20.0%	**99.2**	± 20.0%	**139**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**0.53**	± 20.0%
Nickel	S-METAXHB1	1.0	mg/kg DW	**10.4**	± 20.0%	**6.3**	± 20.0%	**19.3**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**120**	± 20.0%	**164**	± 20.0%	**179**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**288**	± 20.0%	**430**	± 20.0%	**547**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**193**	± 20.0%	**182**	± 20.0%	**157**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**196**	± 20.0%	**242**	± 20.0%	**218**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**280**	± 20.0%	**224**	± 20.0%	**276**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**131**	± 20.0%	**3160**	± 20.0%	**166**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	**1.4**	± 20.0%
Titanium	S-METAXHB2	0.20	mg/kg DW	**103**	± 20.0%	**128**	± 20.0%	**176**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**19.5**	± 20.0%	**12.8**	± 20.0%	**31.2**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**135**	± 20.0%	**63.8**	± 20.0%	**168**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	<5.0	----	<5.0	----

Sub-Matrix: **SOIL**			Client sample ID	K15.31-8-0.5m		K15.31-8-2.8m		K15.31-4-0.5m	
			Laboratory sample ID	PR2073548-007		PR2073548-008		PR2073548-009	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.8**	± 6.0%	**93.2**	± 6.0%	**98.4**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**3050**	± 20.0%	**5390**	± 20.0%	**3540**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**1.56**	± 20.0%	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**3.68**	± 20.0%	**3.40**	± 20.0%	**3.43**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**19.5**	± 20.0%	**29.0**	± 20.0%	**20.6**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.093**	± 20.0%	**0.152**	± 20.0%	**0.092**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.5**	± 20.0%	**3.3**	± 20.0%	**2.2**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**0.85**	± 20.0%	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**87000**	± 20.0%	**99200**	± 20.0%	**108000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**7.18**	± 20.0%	**11.3**	± 20.0%	**8.23**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.48**	± 20.0%	**2.47**	± 20.0%	**1.67**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**4.6**	± 20.0%	**12.5**	± 20.0%	**15.2**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**3670**	± 20.0%	**5660**	± 20.0%	**3780**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**10.7**	± 20.0%	**176**	± 20.0%	**14.4**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**3.0**	± 20.0%	**5.0**	± 20.0%	**3.3**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**4800**	± 20.0%	**4140**	± 20.0%	**7460**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**118**	± 20.0%	**160**	± 20.0%	**118**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**0.62**	± 20.0%
Nickel	S-METAXHB1	1.0	mg/kg DW	**8.0**	± 20.0%	**13.2**	± 20.0%	**10.4**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**136**	± 20.0%	**155**	± 20.0%	**133**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**427**	± 20.0%	**714**	± 20.0%	**527**	± 20.0%

Sub-Matrix: **SOIL**			*Client sample ID*	**K15.31-8-0.5m**		**K15.31-8-2.8m**		**K15.31-4-0.5m**	
			Laboratory sample ID	*PR2073548-007*		*PR2073548-008*		*PR2073548-009*	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**183**	± 20.0%	**163**	± 20.0%	**196**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**244**	± 20.0%	**356**	± 20.0%	**226**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**286**	± 20.0%	**303**	± 20.0%	**305**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**271**	± 20.0%	**221**	± 20.0%	**153**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**154**	± 20.0%	**270**	± 20.0%	**158**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**13.5**	± 20.0%	**27.7**	± 20.0%	**16.4**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**28.5**	± 20.0%	**44.9**	± 20.0%	**24.1**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	<5.0	----	<5.0	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K15.31-4-3m**		**K15.31-5-0.5m**		**K15.31-5-3m**	
			Laboratory sample ID	*PR2073548-010*		*PR2073548-011*		*PR2073548-012*	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**97.9**	± 6.0%	**97.8**	± 6.0%	**98.2**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**3860**	± 20.0%	**2720**	± 20.0%	**4620**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**2.61**	± 20.0%	**4.95**	± 20.0%	**2.64**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**25.2**	± 20.0%	**17.5**	± 20.0%	**24.3**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.113**	± 20.0%	**0.074**	± 20.0%	**0.122**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.2**	± 20.0%	**1.7**	± 20.0%	**3.1**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**0.53**	± 20.0%
Calcium	S-METAXHB2	50	mg/kg DW	**97900**	± 20.0%	**110000**	± 20.0%	**134000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**8.76**	± 20.0%	**5.96**	± 20.0%	**10.0**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.85**	± 20.0%	**1.26**	± 20.0%	**2.01**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**5.1**	± 20.0%	**1.7**	± 20.0%	**16.0**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**4630**	± 20.0%	**3130**	± 20.0%	**5440**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**13.2**	± 20.0%	**1.3**	± 20.0%	**20.9**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**3.6**	± 20.0%	**2.7**	± 20.0%	**4.8**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**3670**	± 20.0%	**1510**	± 20.0%	**5990**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**139**	± 20.0%	**128**	± 20.0%	**132**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**9.6**	± 20.0%	**3.1**	± 20.0%	**15.7**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**154**	± 20.0%	**135**	± 20.0%	**272**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**504**	± 20.0%	**332**	± 20.0%	**624**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**194**	± 20.0%	**208**	± 20.0%	**198**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**321**	± 20.0%	**212**	± 20.0%	**370**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**326**	± 20.0%	**499**	± 20.0%	**399**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**164**	± 20.0%	**99**	± 20.0%	**168**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**194**	± 20.0%	**164**	± 20.0%	**182**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**17.8**	± 20.0%	**12.5**	± 20.0%	**26.3**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**25.8**	± 20.0%	**6.0**	± 20.0%	**42.3**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	<5.0	----	<5.0	----

Sub-Matrix: **SOIL**			Client sample ID	K15.54-4-0.5m		K15.54-4-3m		K15.54-7-0.5m	
			Laboratory sample ID	PR2073548-013		PR2073548-014		PR2073548-015	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**95.1**	± 6.0%	**90.2**	± 6.0%	**96.4**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**4510**	± 20.0%	**6730**	± 20.0%	**1970**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.89**	± 20.0%	**1.75**	± 20.0%	**5.97**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**17.8**	± 20.0%	**30.2**	± 20.0%	**19.5**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.112**	± 20.0%	**0.177**	± 20.0%	**0.111**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.9**	± 20.0%	**4.6**	± 20.0%	**1.6**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**105000**	± 20.0%	**95900**	± 20.0%	**162000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**7.79**	± 20.0%	**13.6**	± 20.0%	**4.57**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.95**	± 20.0%	**2.72**	± 20.0%	**1.09**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**8.3**	± 20.0%	**7.1**	± 20.0%	**1.4**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**4620**	± 20.0%	**6350**	± 20.0%	**2000**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**6.5**	± 20.0%	**18.0**	± 20.0%	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**5.0**	± 20.0%	**7.1**	± 20.0%	**1.9**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**26800**	± 20.0%	**16800**	± 20.0%	**1230**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**108**	± 20.0%	**137**	± 20.0%	**104**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**0.41**	± 20.0%	**0.43**	± 20.0%
Nickel	S-METAXHB1	1.0	mg/kg DW	**12.0**	± 20.0%	**27.6**	± 20.0%	**1.9**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**96.5**	± 20.0%	**268**	± 20.0%	**85.7**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**556**	± 20.0%	**952**	± 20.0%	**243**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**173**	± 20.0%	**172**	± 20.0%	**213**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**207**	± 20.0%	**218**	± 20.0%	**172**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**170**	± 20.0%	**218**	± 20.0%	**518**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**191**	± 20.0%	**334**	± 20.0%	**99**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**205**	± 20.0%	**248**	± 20.0%	**125**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**21.2**	± 20.0%	**42.7**	± 20.0%	**7.20**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**14.4**	± 20.0%	**35.0**	± 20.0%	**3.7**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	<5.0	----	<5.0	----

Sub-Matrix: **SOIL**			Client sample ID	K15.54-7-3m		K15.54-5-0.5m		K15.54-5-3m	
			Laboratory sample ID	PR2073548-016		PR2073548-017		PR2073548-018	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**96.9**	± 6.0%	**97.3**	± 6.0%	**97.6**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**831**	± 20.0%	**1320**	± 20.0%	**832**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.50**	± 20.0%	**3.16**	± 20.0%	**3.14**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**8.91**	± 20.0%	**13.6**	± 20.0%	**11.4**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.051**	± 20.0%	**0.091**	± 20.0%	**0.051**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.1**	± 20.0%	**1.7**	± 20.0%	**1.4**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**48700**	± 20.0%	**138000**	± 20.0%	**81500**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.10**	± 20.0%	**4.03**	± 20.0%	**3.42**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.62**	± 20.0%	**0.84**	± 20.0%	**0.70**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**1.1**	± 20.0%	<1.0	----

Sub-Matrix: **SOIL**			Client sample ID	K15.54-7-3m		K15.54-5-0.5m		K15.54-5-3m	
			Laboratory sample ID	PR2073548-016		PR2073548-017		PR2073548-018	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Iron	S-METAXHB1	10	mg/kg DW	**1060**	± 20.0%	**1640**	± 20.0%	**1260**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Lithium	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**1.4**	± 20.0%	<1.0	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**586**	± 20.0%	**4190**	± 20.0%	**794**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**65.7**	± 20.0%	**107**	± 20.0%	**94.4**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.0**	± 20.0%	**1.8**	± 20.0%	**1.2**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**87.6**	± 20.0%	**124**	± 20.0%	**117**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**147**	± 20.0%	**222**	± 20.0%	**141**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**272**	± 20.0%	**204**	± 20.0%	**265**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**216**	± 20.0%	**420**	± 20.0%	**389**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**197**	± 20.0%	**453**	± 20.0%	**311**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**68**	± 20.0%	**124**	± 20.0%	**103**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**42.9**	± 20.0%	**71.7**	± 20.0%	**41.7**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**2.17**	± 20.0%	**5.66**	± 20.0%	**2.88**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	<3.0	----	**3.8**	± 20.0%	<3.0	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	<5.0	----	<5.0	----

Sub-Matrix: **SOIL**			Client sample ID	K15.54-6-0.5m		K15.54-6-3m		----	
			Laboratory sample ID	PR2073548-019		PR2073548-020		----	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**98.7**	± 6.0%	**97.4**	± 6.0%	**----**	----
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**1160**	± 20.0%	**829**	± 20.0%	**----**	----
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**2.44**	± 20.0%	**1.76**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**13.5**	± 20.0%	**9.10**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.050**	± 20.0%	**0.045**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.5**	± 20.0%	**1.0**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**110000**	± 20.0%	**66000**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**3.56**	± 20.0%	**3.15**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**0.83**	± 20.0%	**0.59**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**1440**	± 20.0%	**1090**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	<1.0	----	<1.0	----	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**1.0**	± 20.0%	<1.0	----	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**2100**	± 20.0%	**731**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**130**	± 20.0%	**71.0**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**1.4**	± 20.0%	<1.0	----	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**135**	± 20.0%	**104**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**180**	± 20.0%	**142**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**214**	± 20.0%	**257**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	<0.50	----	**----**	----

Sub-Matrix: **SOIL**				*Client sample ID*	**K15.54-6-0.5m**		**K15.54-6-3m**		**----**	
				Laboratory sample ID	*PR2073548-019*		*PR2073548-020*		----	
				Client sampling date / time	29-Jul-2020		29-Jul-2020		----	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued										
Sodium	S-METAXHB2	15	mg/kg DW		**391**	± 20.0%	**262**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW		**424**	± 20.0%	**232**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW		**126**	± 20.0%	**74**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW		<1.0	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW		<0.50	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW		<1.0	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW		**58.4**	± 20.0%	**43.8**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW		**4.08**	± 20.0%	**2.32**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW		<3.0	----	<3.0	----	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW		<5.0	----	<5.0	----	**----**	----

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.
Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
S-DRY-GRCI	CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values.
S-METAXHB1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
Preparation Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
* S-PPHOM2	Drying and sieving of sample on the grain size < 2 mm

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

CERTIFICATE OF ANALYSIS

Work Order	: **PR2073547**	Issue Date	: 11-Aug-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
Address	: Hameginim Ave. 53 3326518 Haifa	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-239-20	Page	: 1 of 13
Order number	: ----	Date Samples Received	: 31-Jul-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 31-Jul-2020 - 11-Aug-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Sample(s) PR2073547/009, method S-TPHFID14 - contain(s) high-boiling hydrocarbons with retention time higher than retention time of C40.

Sample(s) PR2073547/002,006, method S-TPHFID14 - contain(s) low-boiling hydrocarbons with retention time less than retention time of C10.

Sample(s) PR2073547/002,006,008 method S-SMVGMS03, S-SVOCSUM01 - LOR for particular sample(s) raised due to matrix interference.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories	*Position*
Zdeněk Jirák	Environmental Business Unit Manager

L 1163

Analytical Results

Sub-Matrix: **SOIL**			Client sample ID	K11-GW9-0.5m		K11-GW9-3m		K11-GW10-0.5m	
			Laboratory sample ID	PR2073547-001		PR2073547-002		PR2073547-003	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	**----**	----	<1.50	----	**----**	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1.0	mg/kg DW	**----**	----	<10.5	----	**----**	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**88.6**	± 6.0%	**87.2**	± 6.0%	**97.2**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**5190**	± 20.0%	**----**	----	**2820**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**1.52**	± 20.0%	**----**	----	**1.57**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**30.6**	± 20.0%	**----**	----	**16.8**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.155**	± 20.0%	**----**	----	**0.091**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**2.1**	± 20.0%	**----**	----	**2.1**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**47100**	± 20.0%	**----**	----	**75000**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**9.46**	± 20.0%	**----**	----	**6.20**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**2.32**	± 20.0%	**----**	----	**1.36**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**2.8**	± 20.0%	**----**	----	**1.8**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**5180**	± 20.0%	**----**	----	**3360**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**1.9**	± 20.0%	**----**	----	**1.5**	± 20.0%
Lithium	S-METAXHB1	1.0	mg/kg DW	**4.7**	± 20.0%	**----**	----	**2.7**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1330**	± 20.0%	**----**	----	**1070**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**154**	± 20.0%	**----**	----	**103**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**4.8**	± 20.0%	**----**	----	**2.8**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**114**	± 20.0%	**----**	----	**137**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**840**	± 20.0%	**----**	----	**516**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**236**	± 20.0%	**----**	----	**257**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**182**	± 20.0%	**----**	----	**371**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**214**	± 20.0%	**----**	----	**284**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**92**	± 20.0%	**----**	----	**90**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**194**	± 20.0%	**----**	----	**114**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**9.58**	± 20.0%	**----**	----	**7.88**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**9.6**	± 20.0%	**----**	----	**7.8**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**862**	± 30.0%	<10	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	**16**	± 30.0%	**19600**	± 30.0%	<12	----
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	**19.5**	± 30.0%	**----**	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----

Sub-Matrix: **SOIL**										
			Client sample ID	**K11-GW9-0.5m**		**K11-GW9-3m**		**K11-GW10-0.5m**	
			Laboratory sample ID	*PR2073547-001*		*PR2073547-002*		*PR2073547-003*	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Bromomethane	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Chloromethane	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Dichloromethane	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
Non-Halogenated Volatile Organic Compounds									
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	**70.1**	± 30.0%	----	----
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW	----	----	<10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	**179**	± 30.0%	----	----
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	**244**	± 30.0%	----	----
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	**304**	± 30.0%	----	----
Styrene	S-VOCGMS06	5.0	µg/kg DW	----	----	<5.0	----	----	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW	----	----	**15**	± 30.0%	----	----
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW	----	----	**8.0**	± 30.0%	----	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.200	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.500	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.450	----	----	----

Sub-Matrix: **SOIL**			Client sample ID	K11-GW9-0.5m		K11-GW9-3m		K11-GW10-0.5m	
			Laboratory sample ID	PR2073547-001		PR2073547-002		PR2073547-003	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Aromatic Compounds - Continued									
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	**2.50**	± 30.0%	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.450	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<1.20	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.100	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.750	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.300	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<1.42	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	<2.24	----	----	----
Naphthalene	S-VOCGMS06	10	µg/kg DW	----	----	**83**	± 30.0%	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<1.24	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.320	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.080	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	**0.420**	± 30.0%	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.060	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.040	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	<0.020	----	----	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.150	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.100	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<5.05	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.300	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.100	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<2.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<3.75	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<3.10	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<3.00	----	----	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<2.00	----	----	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.450	----	----	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<1.05	----	----	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<1.55	----	----	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	<0.040	----	----	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	<0.005	----	----	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.100	----	----	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<1.20	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11-GW9-0.5m**		**K11-GW9-3m**		**K11-GW10-0.5m**	
			Laboratory sample ID	*PR2073547-001*		*PR2073547-002*		*PR2073547-003*	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.350	----	----	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<1.00	----	----	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.200	----	----	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	**1.12**	± 30.0%	----	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	<10.5	----	----	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.250	----	----	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11-GW10-3m**		**KGW-11-8-0.5m**		**KGW-11-8-3m**	
			Laboratory sample ID	*PR2073547-004*		*PR2073547-005*		*PR2073547-006*	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<1.50	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1.0	mg/kg DW	----	----	----	----	<9.5	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**81.5**	± 6.0%	**97.2**	± 6.0%	**83.0**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	**3110**	± 20.0%	----	----
Antimony	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	----	----	**1.87**	± 20.0%	----	----
Barium	S-METAXHB1	0.20	mg/kg DW	----	----	**17.8**	± 20.0%	----	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	----	----	**0.097**	± 20.0%	----	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Boron	S-METAXHB2	1.0	mg/kg DW	----	----	**1.8**	± 20.0%	----	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Calcium	S-METAXHB2	50	mg/kg DW	----	----	**50200**	± 20.0%	----	----
Chromium	S-METAXHB1	0.50	mg/kg DW	----	----	**6.79**	± 20.0%	----	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	----	----	**1.54**	± 20.0%	----	----
Copper	S-METAXHB1	1.0	mg/kg DW	----	----	**2.2**	± 20.0%	----	----
Iron	S-METAXHB1	10	mg/kg DW	----	----	**3590**	± 20.0%	----	----
Lead	S-METAXHB1	1.0	mg/kg DW	----	----	**2.8**	± 20.0%	----	----
Lithium	S-METAXHB1	1.0	mg/kg DW	----	----	**2.9**	± 20.0%	----	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	----	----	**984**	± 20.0%	----	----
Manganese	S-METAXHB1	0.50	mg/kg DW	----	----	**111**	± 20.0%	----	----
Mercury	S-METAXHB1	0.20	mg/kg DW	----	----	<0.20	----	----	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	----	----	<0.40	----	----	----
Nickel	S-METAXHB1	1.0	mg/kg DW	----	----	**3.4**	± 20.0%	----	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	----	----	**122**	± 20.0%	----	----
Potassium	S-METAXHB2	5.0	mg/kg DW	----	----	**524**	± 20.0%	----	----
Selenium	S-METAXHB2	2.0	mg/kg DW	----	----	<2.0	----	----	----
Silicon	S-METAXHB2	50	mg/kg DW	----	----	**260**	± 20.0%	----	----
Silver	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Sodium	S-METAXHB2	15	mg/kg DW	----	----	**213**	± 20.0%	----	----
Strontium	S-METAXHB1	0.10	mg/kg DW	----	----	**186**	± 20.0%	----	----
Sulphur	S-METAXHB2	30	mg/kg DW	----	----	**66**	± 20.0%	----	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	----	----	<1.0	----	----	----
Thallium	S-METAXHB1	0.50	mg/kg DW	----	----	<0.50	----	----	----
Tin	S-METAXHB1	1.0	mg/kg DW	----	----	<1.0	----	----	----
Titanium	S-METAXHB2	0.20	mg/kg DW	----	----	**134**	± 20.0%	----	----

Sub-Matrix: **SOIL**			Client sample ID	K11-GW10-3m		KGW-11-8-0.5m		KGW-11-8-3m	
			Laboratory sample ID	PR2073547-004		PR2073547-005		PR2073547-006	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Vanadium	S-METAXHB1	0.10	mg/kg DW	----	----	**9.78**	± 20.0%	----	----
Zinc	S-METAXHB1	3.0	mg/kg DW	----	----	**9.7**	± 20.0%	----	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	----	----	<5.0	----	----	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	**12**	± 30.0%	<10	----	**493**	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	**253**	± 30.0%	<12	----	**12600**	± 30.0%
BTEX									
Toluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Benzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
ortho-Xylene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Ethylbenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
meta- & para-Xylene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Halogenated Volatile Organic Compounds									
1.1-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
trans-1.2-Dichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1-Dichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
cis-1.2-Dichloroethene	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
Chloroform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromochloromethane	S-VOCGMS05	0.20	mg/kg DW	----	----	----	----	<0.20	----
2.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1-Trichloroethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Trichloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromodichloromethane	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Tetrachloroethene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dibromochloromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dibromoethane (EDB)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2-Trichloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.1.1.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bromoform	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
4-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
2-Chlorotoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.3-Trichloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.1.2.2-Tetrachloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.3.5-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Hexachlorobutadiene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.4-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.3-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2-Dibromo-3-chloropropane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.4-Trimethylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2.4-Trichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
1.2.3-Trichlorobenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
1.2-Dichlorobenzene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
trans-1.3-Dichloropropene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Dichlorodifluoromethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Chloromethane	S-VOCGMS05	1.0	mg/kg DW	----	----	----	----	<1.0	----
Chloroethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Bromomethane	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----

Sub-Matrix: **SOIL**			*Client sample ID*	**K11-GW10-3m**		**KGW-11-8-0.5m**		**KGW-11-8-3m**	
			Laboratory sample ID	*PR2073547-004*		*PR2073547-005*		*PR2073547-006*	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued									
cis-1.3-Dichloropropene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Vinyl chloride	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Non-Halogenated Volatile Organic Compounds									
Styrene	S-VOCGMS05	0.050	mg/kg DW	----	----	----	----	<0.050	----
Isopropylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	**0.58**	± 40.0%
n-Propylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	**2.06**	± 40.0%
tert-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
sec-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	**3.73**	± 40.0%
p-Isopropyltoluene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	<0.10	----
n-Butylbenzene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	**1.97**	± 40.0%
tert-Butyl alcohol	S-VOCGMS05	0.80	mg/kg DW	----	----	----	----	<0.80	----
Methyl isobutyl ketone	S-VOCGMS05	1.0	mg/kg DW	----	----	----	----	<1.0	----
2-Butanone (MEK)	S-VOCGMS05	1.50	mg/kg DW	----	----	----	----	<1.50	----
Aromatic Compounds									
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.100	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.100	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.100	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	**1.16**	± 30.0%
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.150	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.200	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.300	----
Polycyclic Aromatics Hydrocarbons (PAHs)									
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.140	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.160	----
Naphthalene	S-VOCGMS05	0.10	mg/kg DW	----	----	----	----	**0.76**	± 40.0%
Fluorene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.940	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	**0.413**	± 30.0%
Anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.140	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.040	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	**0.141**	± 30.0%
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW	----	----	----	----	<0.020	----
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.300	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.100	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<0.50	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<2.50	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.200	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.100	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<3.00	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<1.60	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<1.25	----

Sub-Matrix: **SOIL**			Client sample ID	K11-GW10-3m		KGW-11-8-0.5m		KGW-11-8-3m	
			Laboratory sample ID	PR2073547-004		PR2073547-005		PR2073547-006	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Nitroaromatic Compounds - Continued									
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<2.00	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	----	----	<1.00	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.400	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.200	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.500	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	----	----	<0.040	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	----	----	<0.020	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	----	----	<0.005	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.100	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.400	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.100	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.300	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.150	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	**0.416**	± 30.0%
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	----	----	<9.50	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.250	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	----	----	<0.050	----

Sub-Matrix: **SOIL**			Client sample ID	KGW-11-11-0.5m		KGW-11-11-3m		KGW-11-12-0.5m	
			Laboratory sample ID	PR2073547-007		PR2073547-008		PR2073547-009	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Pesticides - Other pesticides and pesticide metabolites									
Dinoseb	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Other									
Total SVOC IL (M4)	S-SVOCSUM01	1.0	mg/kg DW	----	----	<1.5	----	----	----
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**95.4**	± 6.0%	**75.4**	± 6.0%	**96.8**	± 6.0%
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	**3390**	± 20.0%	----	----	**2520**	± 20.0%
Antimony	S-METAXHB1	0.50	mg/kg DW	<0.50	----	----	----	<0.50	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**2.07**	± 20.0%	----	----	**3.59**	± 20.0%
Barium	S-METAXHB1	0.20	mg/kg DW	**20.0**	± 20.0%	----	----	**24.2**	± 20.0%
Beryllium	S-METAXHB1	0.010	mg/kg DW	**0.111**	± 20.0%	----	----	**0.076**	± 20.0%
Bismuth	S-METAXHB2	1.0	mg/kg DW	<1.0	----	----	----	<1.0	----
Boron	S-METAXHB2	1.0	mg/kg DW	**1.9**	± 20.0%	----	----	**1.8**	± 20.0%
Cadmium	S-METAXHB1	0.40	mg/kg DW	<0.40	----	----	----	<0.40	----
Calcium	S-METAXHB2	50	mg/kg DW	**41600**	± 20.0%	----	----	**82900**	± 20.0%
Chromium	S-METAXHB1	0.50	mg/kg DW	**7.57**	± 20.0%	----	----	**8.14**	± 20.0%
Cobalt	S-METAXHB1	0.20	mg/kg DW	**1.63**	± 20.0%	----	----	**1.97**	± 20.0%
Copper	S-METAXHB1	1.0	mg/kg DW	**2.8**	± 20.0%	----	----	**4.1**	± 20.0%
Iron	S-METAXHB1	10	mg/kg DW	**3920**	± 20.0%	----	----	**4450**	± 20.0%
Lead	S-METAXHB1	1.0	mg/kg DW	**6.9**	± 20.0%	----	----	**17.1**	± 20.0%

Sub-Matrix: **SOIL**			Client sample ID	KGW-11-11-0.5m		KGW-11-11-3m		KGW-11-12-0.5m	
			Laboratory sample ID	PR2073547-007		PR2073547-008		PR2073547-009	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Lithium	S-METAXHB1	1.0	mg/kg DW	**2.9**	± 20.0%	**----**	----	**2.7**	± 20.0%
Magnesium	S-METAXHB2	5.0	mg/kg DW	**1120**	± 20.0%	**----**	----	**2260**	± 20.0%
Manganese	S-METAXHB1	0.50	mg/kg DW	**104**	± 20.0%	**----**	----	**122**	± 20.0%
Mercury	S-METAXHB1	0.20	mg/kg DW	<0.20	----	**----**	----	<0.20	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	<0.40	----	**----**	----	<0.40	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**5.4**	± 20.0%	**----**	----	**49.9**	± 20.0%
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**110**	± 20.0%	**----**	----	**148**	± 20.0%
Potassium	S-METAXHB2	5.0	mg/kg DW	**584**	± 20.0%	**----**	----	**428**	± 20.0%
Selenium	S-METAXHB2	2.0	mg/kg DW	<2.0	----	**----**	----	<2.0	----
Silicon	S-METAXHB2	50	mg/kg DW	**251**	± 20.0%	**----**	----	**250**	± 20.0%
Silver	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Sodium	S-METAXHB2	15	mg/kg DW	**176**	± 20.0%	**----**	----	**192**	± 20.0%
Strontium	S-METAXHB1	0.10	mg/kg DW	**197**	± 20.0%	**----**	----	**304**	± 20.0%
Sulphur	S-METAXHB2	30	mg/kg DW	**83**	± 20.0%	**----**	----	**112**	± 20.0%
Tellurium	S-METAXHB2	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Thallium	S-METAXHB1	0.50	mg/kg DW	<0.50	----	**----**	----	<0.50	----
Tin	S-METAXHB1	1.0	mg/kg DW	<1.0	----	**----**	----	<1.0	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**151**	± 20.0%	**----**	----	**149**	± 20.0%
Vanadium	S-METAXHB1	0.10	mg/kg DW	**13.2**	± 20.0%	**----**	----	**74.9**	± 20.0%
Zinc	S-METAXHB1	3.0	mg/kg DW	**18.0**	± 20.0%	**----**	----	**46.3**	± 20.0%
Zirconium	S-METAXHB2	5.0	mg/kg DW	<5.0	----	**----**	----	<5.0	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	<10	----	**104**	± 30.0%
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	<12	----	**191**	± 30.0%	**45**	± 30.0%
BTEX									
Benzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Ethylbenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
meta- & para-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Toluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
ortho-Xylene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Halogenated Volatile Organic Compounds									
1.1.1.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.1-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2.2-Tetrachloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1.2-Trichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.1-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2.3-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	**----**	----	<10	----	**----**	----
1.2.3-Trichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2.4-Trichlorobenzene	S-VOCGMS06	10	µg/kg DW	**----**	----	<10	----	**----**	----
1.2-Dibromo-3-chloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dibromoethane (EDB)	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichloroethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.3-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.3-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
1.4-Dichlorobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
2.2-Dichloropropane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
2-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
4-Chlorotoluene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Bromobenzene	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Hexachlorocyclopentadiene	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Bromochloromethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Hexachloroethane	S-SMVGMS03	0.050	mg/kg DW	**----**	----	<0.050	----	**----**	----
Bromodichloromethane	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----
Bromoform	S-VOCGMS06	5.0	µg/kg DW	**----**	----	<5.0	----	**----**	----

Sub-Matrix: **SOIL**					Client sample ID	KGW-11-11-0.5m		KGW-11-11-3m		KGW-11-12-0.5m	
					Laboratory sample ID	PR2073547-007		PR2073547-008		PR2073547-009	
					Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*			**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued											
Bromomethane	S-VOCGMS06	10	µg/kg DW			----	----	<10	----	----	----
Chlorobenzene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Chloroethane	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Chloroform	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Chloromethane	S-VOCGMS06	10	µg/kg DW			----	----	<10	----	----	----
cis-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
cis-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Dibromochloromethane	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Dibromomethane	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Dichlorodifluoromethane	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Dichloromethane	S-VOCGMS06	10	µg/kg DW			----	----	<10	----	----	----
Hexachlorobutadiene	S-VOCGMS06	10	µg/kg DW			----	----	<10	----	----	----
Tetrachloroethene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Tetrachloromethane	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
trans-1.2-Dichloroethene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
trans-1.3-Dichloropropene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Trichloroethene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Vinyl chloride	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Non-Halogenated Volatile Organic Compounds											
1.2.4-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
1.3.5-Trimethylbenzene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
2-Butanone (MEK)	S-VOCGMS06	10	µg/kg DW			----	----	<10	----	----	----
Isopropylbenzene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Methyl isobutyl ketone	S-VOCGMS06	10	µg/kg DW			----	----	<10	----	----	----
Methyl tert-Butyl Ether (MTBE)	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
n-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
n-Propylbenzene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
p-Isopropyltoluene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
sec-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Styrene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
tert-Butyl alcohol	S-VOCGMS06	10	µg/kg DW			----	----	<10	----	----	----
tert-Butylbenzene	S-VOCGMS06	5.0	µg/kg DW			----	----	<5.0	----	----	----
Aromatic Compounds											
1,1`-Biphenyl	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
1-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
2-Chloronaphthalene	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
2-Methylnaphthalene	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
4-Bromophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
4-Chlorophenyl phenyl ether	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
Carbazole	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
Dibenzofuran	S-SMVGMS03	0.050	mg/kg DW			----	----	<0.050	----	----	----
Polycyclic Aromatics Hydrocarbons (PAHs)											
Acenaphthylene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Acenaphthene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Fluorene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Naphthalene	S-VOCGMS06	10	µg/kg DW			----	----	<10	----	----	----
Phenanthrene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Anthracene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Fluoranthene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Pyrene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Benz(a)anthracene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Chrysene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Benzo(b)fluoranthene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Benzo(k)fluoranthene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Benzo(a)pyrene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Indeno(1.2.3.cd)pyrene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Dibenz(a.h)anthracene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----
Benzo(g.h.i)perylene	S-SMVGMS03	0.020	mg/kg DW			----	----	<0.020	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW-11-11-0.5m**		**KGW-11-11-3m**		**KGW-11-12-0.5m**	
			Laboratory sample ID	*PR2073547-007*		*PR2073547-008*		*PR2073547-009*	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		29-Jul-2020	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Chlorinated Hydrocarbons									
Bis(2-chloroethoxy)methane	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroethyl)ether	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-chloroisopropyl)ether (all isomers)	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Nitrosoamines									
N-Nitrosodi-n-propylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Anilines									
4-Chloroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Benzidine	S-SMVGMS03	0.50	mg/kg DW	----	----	<0.50	----	----	----
Diphenylamine	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.100	----	----	----
Nitroaromatic Compounds									
Nitrobenzene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Nitrophenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2,4-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2.6-Dinitrotoluene	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dinitrophenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
4,6-Dinitro-2-methylphenol	S-SMVGMS03	1.00	mg/kg DW	----	----	<1.00	----	----	----
2-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Nitroaniline	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Chlorophenols									
2-Chlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.6-Dichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4@2.5-Dichlorophenol	S-CLPGMS01	0.040	mg/kg DW	----	----	<0.040	----	----	----
2.4.6-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
2.4.5-Trichlorophenol	S-CLPGMS01	0.020	mg/kg DW	----	----	<0.020	----	----	----
Pentachlorophenol	S-CLPGMS01	0.005	mg/kg DW	----	----	<0.005	----	----	----
Cresols, Phenols and Naphtols									
Phenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
3- & 4-Methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
2,4-Dimethylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
4-Chloro-3-methylphenol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Phthalates									
Dimethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Diethyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-butyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Butyl benzyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Bis(2-ethylhexyl)phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Di-n-octyl phthalate	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Aldehydes / Ketones									
6-Caprolactam	S-SMVGMS03	0.50	mg/kg DW	----	----	<1.50	----	----	----
Acetophenone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Isophorone	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----
Alcohols / Esters									
Benzyl Alcohol	S-SMVGMS03	0.050	mg/kg DW	----	----	<0.050	----	----	----

Sub-Matrix: **SOIL**			*Client sample ID*	**KGW-11-12-3m**		**K15.31-9-0.5m-DUP**		**----**	
			Laboratory sample ID	*PR2073547-010*		*PR2073547-011*		----	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Physical Parameters									
Dry matter @ 105°C	S-DRY-GRCI	0.10	%	**71.5**	± 6.0%	**99.2**	± 6.0%	----	----
Extractable Metals / Major Cations									
Aluminium	S-METAXHB2	1.0	mg/kg DW	----	----	**2180**	± 20.0%	----	----

Sub-Matrix: **SOIL**										
			Client sample ID	**KGW-11-12-3m**		**K15.31-9-0.5m-DUP**		**----**	
			Laboratory sample ID	*PR2073547-010*		*PR2073547-011*		----	
			Client sampling date / time	29-Jul-2020		29-Jul-2020		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Extractable Metals / Major Cations - Continued									
Antimony	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Arsenic	S-METAXHB1	0.50	mg/kg DW	**----**	----	**3.76**	± 20.0%	**----**	----
Barium	S-METAXHB1	0.20	mg/kg DW	**----**	----	**17.3**	± 20.0%	**----**	----
Beryllium	S-METAXHB1	0.010	mg/kg DW	**----**	----	**0.064**	± 20.0%	**----**	----
Bismuth	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Boron	S-METAXHB2	1.0	mg/kg DW	**----**	----	**1.3**	± 20.0%	**----**	----
Cadmium	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Calcium	S-METAXHB2	50	mg/kg DW	**----**	----	**112000**	± 20.0%	**----**	----
Chromium	S-METAXHB1	0.50	mg/kg DW	**----**	----	**5.38**	± 20.0%	**----**	----
Cobalt	S-METAXHB1	0.20	mg/kg DW	**----**	----	**1.17**	± 20.0%	**----**	----
Copper	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.5**	± 20.0%	**----**	----
Iron	S-METAXHB1	10	mg/kg DW	**----**	----	**2430**	± 20.0%	**----**	----
Lead	S-METAXHB1	1.0	mg/kg DW	**----**	----	**5.8**	± 20.0%	**----**	----
Lithium	S-METAXHB1	1.0	mg/kg DW	**----**	----	**2.1**	± 20.0%	**----**	----
Magnesium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**2750**	± 20.0%	**----**	----
Manganese	S-METAXHB1	0.50	mg/kg DW	**----**	----	**117**	± 20.0%	**----**	----
Mercury	S-METAXHB1	0.20	mg/kg DW	**----**	----	<0.20	----	**----**	----
Molybdenum	S-METAXHB1	0.40	mg/kg DW	**----**	----	<0.40	----	**----**	----
Nickel	S-METAXHB1	1.0	mg/kg DW	**----**	----	**3.0**	± 20.0%	**----**	----
Phosphorus	S-METAXHB1	5.0	mg/kg DW	**----**	----	**120**	± 20.0%	**----**	----
Potassium	S-METAXHB2	5.0	mg/kg DW	**----**	----	**319**	± 20.0%	**----**	----
Selenium	S-METAXHB2	2.0	mg/kg DW	**----**	----	<2.0	----	**----**	----
Silicon	S-METAXHB2	50	mg/kg DW	**----**	----	**211**	± 20.0%	**----**	----
Silver	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Sodium	S-METAXHB2	15	mg/kg DW	**----**	----	**207**	± 20.0%	**----**	----
Strontium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**410**	± 20.0%	**----**	----
Sulphur	S-METAXHB2	30	mg/kg DW	**----**	----	**122**	± 20.0%	**----**	----
Tellurium	S-METAXHB2	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Thallium	S-METAXHB1	0.50	mg/kg DW	**----**	----	<0.50	----	**----**	----
Tin	S-METAXHB1	1.0	mg/kg DW	**----**	----	<1.0	----	**----**	----
Titanium	S-METAXHB2	0.20	mg/kg DW	**----**	----	**115**	± 20.0%	**----**	----
Vanadium	S-METAXHB1	0.10	mg/kg DW	**----**	----	**9.33**	± 20.0%	**----**	----
Zinc	S-METAXHB1	3.0	mg/kg DW	**----**	----	**9.1**	± 20.0%	**----**	----
Zirconium	S-METAXHB2	5.0	mg/kg DW	**----**	----	<5.0	----	**----**	----
Total Petroleum Hydrocarbons									
C24 - C40 Fraction (ORO)	S-TPHFID14	10	mg/kg DW	<10	----	**----**	----	**----**	----
C10 - C28 Fraction (DRO)	S-TPHFID14	12	mg/kg DW	**29**	± 30.0%	**----**	----	**----**	----

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.
Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
S-CLPGMS01	CZ_SOP_D06_03_158 - except chap. 9.1, 9.2 a 9.4 (US EPA 8041, US EPA 3500, DIN ISO 14154) Determination of phenols, chlorinated phenols and cresols by gas chromatography method with detection MS and calculation of phenols, chlorinated phenols and cresols sums from measured values
S-DRY-GRCI	CZ_SOP_D06_01_045 (CSN ISO 11465, CSN EN 12880, CSN EN 14346), CZ_SOP_D06_07_046 (CSN ISO 11465, CSN EN 12880, CSN EN 14346, CSN 46 5735) Determination of dry matter by gravimetry and determination of moisture by calculation from measured values.

Analytical Methods	*Method Descriptions*
S-METAXHB1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-METAXHB2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, US EPA 6010, SM 3120, samples prepared as per CZ_SOP_D06_02_J02 (US EPA 3050, CSN EN 13657, ISO 11466) chap. 10.3 to 10.16, 10.17.5, 10.17.6, 10.17.9 to 10.17.14) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values. Sample was homogenized and mineralized by aqua regia prior to analysis.
S-SMVGMS03	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN 15527, ISO 18287, ISO 10382, CSN EN 15308, samples preparation as per CZ_SOP_D06_03_P01, chap. 9.2, 9.3, 9.4.2, US EPA 3546). Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values
S-SVOCSUM01	CZ_SOP_D06_03_J02 Calculation of sums for parameters of organic chemistry method.
S-TPHFID14	CZ_SOP_D06_03_150 (CSN EN 14039, CSN EN ISO 16703, CSN P CEN ISO/TS 16558-2, US EPA 8015, US EPA 3550, TNRCC Method 1006) Determination of extractable compounds in the range of hydrocarbons C 10 - C40, their fractions calculated from the measured values by gas chromatography method with FID detection
S-VOCGMS05	CZ_SOP_D06_03_155 except chap. 10.4 (US EPA 8260, US EPA 5021A, US EPA 5021, US EPA 8015, CSN EN ISO 22155, CSN EN ISO 15009, CSN EN ISO 16558-1, MADEP 2004, rev. 1.1) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values.
S-VOCGMS06	CZ_SOP_D06_03_155 except chap. 10.4 (US EPA 8260, US EPA 5021A, US EPA 5021, US EPA 8015, CSN EN ISO 22155, CSN EN ISO 15009, CSN EN ISO 16558-1, MADEP 2004, rev. 1.1) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values.
Preparation Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
* S-PPHOM2	Drying and sieving of sample on the grain size < 2 mm

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

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Dr Katz Technologies & Enterprises (KTE)
Hameginim 53
Haifa
Israel

Attention: Eyal Shvartz

CERTIFICATE OF ANALYSIS

Date of report Generation:	07 August 2020
Customer:	Dr Katz Technologies & Enterprises (KTE)
Sample Delivery Group (SDG):	200731-108
Your Reference:	KTE-239-20-HAW
Location:	Sde Dov
Report No:	562339

We received 3 samples on Friday July 31, 2020 and 3 of these samples were scheduled for analysis which was completed on Friday August 07, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

Validated

CERTIFICATE OF ANALYSIS

SDG:	200731-108	**Client Reference:**	KTE-239-20-HAW	**Report Number:**	562339
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
22584143	K15-31-5		0.50	29/07/2020
22584146	K15-31-6		3.00	29/07/2020
22584144	K15-31-8		2.80	29/07/2020

Maximum Sample/Coolbox Temperature (°C) : **16.2**

ISO5667-3 Water quality - Sampling - Part3 -
During Transportation samples shall be stored in a cooling device capable of maintaining a temperature of (5±3)°C.

ALS have data which show that a cool box with 4 frozen icepacks is capable of maintaining pre-chilled samples at a temperature of (5±3)°C for a period of up to 24hrs.

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200731-108	**Client Reference:**	KTE-239-20-HAW	**Report Number:**	562339
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			22584143	22584146	22584144
Customer Sample Reference			K15-31-5	K15-31-6	K15-31-8
AGS Reference					
Depth (m)			0.50	3.00	2.80
Container			100g Glass Jar	100g Glass Jar	100g Glass Jar
Sample Type			S	S	S
Alkali Metals by iCap-OES (Soil)	All	NDPs: 0 Tests: 3	X	X	X
Metals in solid samples by OES	All	NDPs: 0 Tests: 3	X	X	X
Sample description	All	NDPs: 0 Tests: 3	X	X	X
Silver	All	NDPs: 0 Tests: 3	X	X	X

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
22584143	K15-31-5	0.50	Cream	Sand	Stones	None
22584146	K15-31-6	3.00	Cream	Sand	Stones	None
22584144	K15-31-8	2.80	Light Brown	Sand	Stones	None

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	200731-108	**Client Reference:**	KTE-239-20-HAW	**Report Number:**	562339
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-3+§@	Sample deviation (see appendix)

Customer Sample Ref.			K15-31-5	K15-31-6	K15-31-8			
Depth (m)			0.50	3.00	2.80			
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)			
Date Sampled			29/07/2020	29/07/2020	29/07/2020			
Sample Time			.	.	.			
Date Received			31/07/2020	31/07/2020	31/07/2020			
SDG Ref			200731-108	200731-108	200731-108			
Lab Sample No.(s)			22584143	22584146	22584144			
AGS Reference								
Component	**LOD/Units**	**Method**						
Moisture Content Ratio (% of as received sample)	%	PM024	0.78	2.5	0			
Aluminium	<11 mg/kg	TM181	2450	1410	4450			
Antimony	<0.6 mg/kg	TM181	<0.6 #	<0.6 #	2.43 #			
Arsenic	<0.6 mg/kg	TM181	5.39 M	4.44 M	3.18 M			
Barium	<0.6 mg/kg	TM181	22.7 #	28.5 #	34.4 #			
Beryllium	<0.01 mg/kg	TM181	0.0609 M	0.0234 M	0.152 M			
Boron	<0.7 mg/kg	TM181	1.64 #	1.88 #	4.38 #			
Cadmium	<0.02 mg/kg	TM181	<0.02 M	1.01 M	0.883 M			
Chromium	<0.9 mg/kg	TM181	7.39 M	6.64 M	11.6 M			
Cobalt	<0.1 mg/kg	TM181	11.1 M	8.63 M	2.97 M			
Copper	<1.4 mg/kg	TM181	2.05 M	21.1 M	7.06 M			
Iron	<1000 mg/kg	TM181	3580 #	2800 #	5240 #			
Lead	<0.7 mg/kg	TM181	1.16 M	25.8 M	247 M			
Manganese	<0.13 mg/kg	TM181	130 M	102 M	157 M			
Mercury	<0.14 mg/kg	TM181	<0.14 M	<0.14 M	<0.14 M			
Molybdenum	<0.1 mg/kg	TM181	<0.1 #	<0.1 #	0.183 #			
Nickel	<0.2 mg/kg	TM181	4.16 M	10.9 M	14.9 M			
Phosphorus	<1 mg/kg	TM181	129	152	165			
Selenium	<1 mg/kg	TM181	<1 #	<1 #	<1 #			
Strontium	<0.4 mg/kg	TM181	534 #	409 #	232 #			
Tin	<0.24 mg/kg	TM181	<0.24 #	0.378 #	0.84 #			
Thallium	<0.7 mg/kg	TM181	<0.7 #	<0.7 #	<0.7 #			
Titanium	<0.1 mg/kg	TM181	147	108	237			
Vanadium	<0.2 mg/kg	TM181	14 #	19.7 #	28.7 #			
Zinc	<1.9 mg/kg	TM181	6.84 M	34.2 M	48 M			
Bismuth	<1 mg/kg	TM181	<1	<1	<1			
Lithium	<1 mg/kg	TM181	7.89	8.04	2.54			
Tellurium	<1 mg/kg	TM181	<1	<1	<1			
Calcium	<21 mg/kg	TM224	98500	96700	61500			
Sodium	<7 mg/kg	TM224	185	217	243			
Magnesium	<8 mg/kg	TM224	1280	1900	4400			
Potassium	<16 mg/kg	TM224	317	241	572			
Silver	<10 mg/kg	TM250	<10	<10	<10			

16:36:37 07/08/2020

Table of Results - Appendix

Method No	Reference	Description
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM224	US EPA Method 6010B	Determination of Alkaline Metals by iCap 6500 Duo ICP-OES
TM250		Determination of Silver in Soil by ICP-OES

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	200731-108	**Client Reference:**	KTE-239-20-HAW	**Report Number:**	562339
Location:	Sde Dov	**Order Number:**		**Superseded Report:**	

Test Completion Dates

Lab Sample No(s)	22584143	22584146	22584144
Customer Sample Ref.	K15-31-5	K15-31-6	K15-31-8
AGS Ref.			
Depth	0.50	3.00	2.80
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkali Metals by iCap-OES (Soil)	07-Aug-2020	07-Aug-2020	07-Aug-2020
Metals in solid samples by OES	07-Aug-2020	07-Aug-2020	07-Aug-2020
Sample description	03-Aug-2020	03-Aug-2020	03-Aug-2020
Silver	07-Aug-2020	07-Aug-2020	07-Aug-2020

Appendix

General

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
§	**Sampled on date not provided**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

אנליזות מים

CERTIFICATE OF ANALYSIS

Work Order	: **PR2042680**	Issue Date	: 20-May-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
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E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: KTE-133-20	Page	: 1 of 4
Order number	: ----	Date Samples Received	: 12-May-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 11-May-2020 - 20-May-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

This report shall not be reproduced except in full, without prior written approval from the laboratory.

The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Sample(s) PR2042680/001, method W-VOCGMS01, W-SMVGMS05 - LOR for particular sample(s) raised due to matrix interference.

Sample(s) PR2042680/001, method W-SMVGMS05 - (*) = the parameter(s) signed by this symbol couldn't be determined due to complicated matrix.

Should a sample contain sediment it is decanted prior to volatile compounds determination.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories	*Position*
Zdeněk Jirák	Environmental Business Unit Manager

L 1163

Analytical Results

Sub-Matrix: **WATER**				Client sample ID	SW11		SW15		----	
				Laboratory sample ID	PR2042680-001		PR2042680-002		----	
				Client sampling date / time	06-May-2020		06-May-2020		----	
Parameter	Method	LOR	Unit		Result	MU	Result	MU	Result	MU
BTEX										
Benzene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	----	----
Toluene	W-VOCGMS01	0.50	µg/L		<0.50	----	<0.50	----	----	----
Ethylbenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
meta- & para-Xylene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	----	----
ortho-Xylene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
Sum of BTEX	W-VOCGMS01	1.10	µg/L		<1.10	----	<1.10	----	----	----
Sum of xylenes	W-VOCGMS01	0.30	µg/L		<0.30	----	<0.30	----	----	----
Sum of TEX	W-VOCGMS01	0.90	µg/L		<0.90	----	<0.90	----	----	----
Sum of BTEX (M1)	W-VOCGMS01	0.550	µg/L		<0.550	----	<0.550	----	----	----
Sum of TEX (M1)	W-VOCGMS01	0.450	µg/L		<0.450	----	<0.450	----	----	----
Sum of xylenes (M1)	W-VOCGMS01	0.150	µg/L		<0.150	----	<0.150	----	----	----
Halogenated Volatile Organic Compounds										
1.1.1.2-Tetrachloroethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
1.1.1-Trichloroethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
1.1.2.2-Tetrachloroethane	W-VOCGMS01	0.20	µg/L		**3.15**	± 40.0%	<0.20	----	----	----
1.1.2-Trichloroethane	W-VOCGMS01	0.20	µg/L		**0.85**	± 40.0%	<0.20	----	----	----
1.1-Dichloroethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
1.1-Dichloroethene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
1.1-Dichloropropene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
1.2.3-Trichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
1.2.3-Trichloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
1.2.4-Trichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
1.2-Dibromo-3-chloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
1.2-Dibromoethane (EDB)	W-VOCGMS01	0.50	µg/L		<0.50	----	<0.50	----	----	----
1.2-Dichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
1.2-Dichloroethane	W-VOCGMS01	0.50	µg/L		<0.50	----	<0.50	----	----	----
1.2-Dichloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
1.3.5-Trichlorobenzene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	----	----
1.3-Dichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
1.3-Dichloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
1.4-Dichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
2.2-Dichloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
2-Chlorotoluene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
4-Chlorotoluene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
Bromobenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
Bromochloromethane	W-VOCGMS01	2.0	µg/L		<2.0	----	<2.0	----	----	----
Bromodichloromethane	W-VOCGMS01	0.10	µg/L		**0.12**	± 40.0%	<0.10	----	----	----
Bromoform	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	----	----
Bromomethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
Chlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
Chloroethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
Chloroform	W-VOCGMS01	0.10	µg/L		**20.1**	± 40.0%	<0.10	----	----	----
Chloromethane	W-VOCGMS01	1.0	µg/L		**1.4**	± 40.0%	<1.0	----	----	----
cis-1.2-Dichloroethene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
cis-1.3-Dichloropropene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
Dibromochloromethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	----	----
Dibromomethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
Dichlorodifluoromethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
Dichloromethane	W-VOCGMS01	6.0	µg/L		**155**	± 40.0%	<6.0	----	----	----
Hexachlorobutadiene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	----	----
Sum of 3 Dichlorobenzenes	W-VOCGMS01	0.30	µg/L		<0.30	----	<0.30	----	----	----
Sum of 3 Dichlorobenzenes (M1)	W-VOCGMS01	0.150	µg/L		<0.150	----	<0.150	----	----	----
Sum of 3 Trichlorobenzenes	W-VOCGMS01	0.40	µg/L		<0.40	----	<0.40	----	----	----
Sum of 3 Trichlorobenzenes (M1)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	----	----
Sum of 4 Trihalomethanes	W-VOCGMS01	0.50	µg/L		**20.2**	----	<0.50	----	----	----

Sub-Matrix: **WATER**				*Client sample ID*	**SW11**		**SW15**		**----**	
				Laboratory sample ID	*PR2042680-001*		*PR2042680-002*		----	
				Client sampling date / time	06-May-2020		06-May-2020		----	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued										
Sum of 4 Trihalomethanes (M1)	W-VOCGMS01	0.250	µg/L		**20.2**	----	<0.250	----	**----**	----
Sum of 5 Chlorinated Ethenes	W-VOCGMS01	0.60	µg/L		<0.60	----	<0.60	----	**----**	----
Tetrachloroethene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Tetrachloromethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
trans-1.2-Dichloroethene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
trans-1.3-Dichloropropene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Trichloroethene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Trichlorofluoromethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Vinyl chloride	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Sum of 1.2-Dichloroethenes	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Non-Halogenated Volatile Organic Compounds										
1.2.4-Trimethylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
1.3.5-Trimethylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Diisopropyl ether (DIPE)	W-VOCGMS01	0.60	µg/L		<0.60	----	<0.60	----	**----**	----
Ethyl tert-Butyl Ether (ETBE)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Isopropylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Methyl tert-Butyl Ether (MTBE)	W-VOCGMS01	0.20	µg/L		**1.16**	± 40.0%	<0.20	----	**----**	----
n-Butylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
n-Propylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
p-Isopropyltoluene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
sec-Butylbenzene	W-VOCGMS01	1.0	µg/L		**1.6**	± 40.0%	<1.0	----	**----**	----
Styrene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Sum of BTEXS	W-VOCGMS01	1.3	µg/L		<1.3	----	<1.3	----	**----**	----
Sum of BTEXS (M1)	W-VOCGMS01	0.65	µg/L		<0.65	----	<0.65	----	**----**	----
tert-Amyl Ethyl Ether (TAEE)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
tert-Amyl Methyl Ether (TAME)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
tert-Butyl alcohol	W-VOCGMS01	5.0	µg/L		<5.0	----	<5.0	----	**----**	----
tert-Butylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Indane	W-VOCGMS01	0.20	µg/L		<1.00	----	<0.20	----	**----**	----
1.4-Dioxane	W-VOCGMS01	50	µg/L		<50	----	<50	----	**----**	----
Polycyclic Aromatics Hydrocarbons (PAHs)										
Acenaphthylene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Acenaphthene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Fluorene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Phenanthrene	W-SMVGMS05	0.020	µg/L		<0.140	----	<0.020	----	**----**	----
Anthracene	W-SMVGMS05	0.010	µg/L		<0.040	----	<0.010	----	**----**	----
Fluoranthene	W-SMVGMS05	0.010	µg/L		<0.150	----	<0.010	----	**----**	----
Pyrene	W-SMVGMS05	0.010	µg/L		<0.810	----	<0.010	----	**----**	----
Benz(a)anthracene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Chrysene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(a)fluoranthene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(b)fluoranthene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(k)fluoranthene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(a)pyrene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Indeno(1.2.3.cd)pyrene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(g.h.i)perylene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Dibenz(a.h)anthracene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Sum of 16 PAH	W-SMVGMS05	0.19	µg/L		*	----	<0.19	----	**----**	----
Sum of 17 PAH	W-SMVGMS05	0.2	µg/L		*	----	**----**	----	**----**	----
Sum of 17 PAH	W-SMVGMS05	0.20	µg/L		**----**	----	<0.20	----	**----**	----
Naphthalene	W-SMVGMS05	0.03	µg/L		*	----	**----**	----	**----**	----
Naphthalene	W-SMVGMS05	0.030	µg/L		**----**	----	<0.030	----	**----**	----
PCBs										
PCB 28	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 52	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 101	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 118	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 138	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----

Sub-Matrix: **WATER**				*Client sample ID*	**SW11**		**SW15**		**----**	
				Laboratory sample ID	*PR2042680-001*		*PR2042680-002*		----	
				Client sampling date / time	06-May-2020		06-May-2020		----	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
PCBs - Continued										
PCB 153	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 180	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Sum of 7 PCBs	W-SMVGMS05	0.070	µg/L		<0.070	----	<0.070	----	**----**	----

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Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
W-SMVGMS05	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1. Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values
W-VOCGMS01	CZ_SOP_D06_03_155 except chap. 10.5, 10.6 (US EPA 624, US EPA 8260, US EPA 8015, CSN EN ISO 10301, MADEP 2004, rev. 1.1, CSN ISO 11423, CSN EN ISO 15680) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

CERTIFICATE OF ANALYSIS

Work Order	: **PR2050148**	Issue Date	: 02-Jun-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
Address	: Hameginim Ave. 53 3326518 Haifa	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-133-20	Page	: 1 of 3
Order number	: ----	Date Samples Received	: 12-May-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 28-May-2020 - 02-Jun-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

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The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories	*Position*
Zdeněk Jirák	Environmental Business Unit Manager

Analytical Results

Sub-Matrix: **WATER**			*Client sample ID*	**SW11**		**SW15**		**----**	
			Laboratory sample ID	*PR2050148-001*		*PR2050148-002*		----	
			Client sampling date / time	06-May-2020		06-May-2020		----	
Parameter	*Method*	*LOR*	*Unit*	**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Total Metals / Major Cations									
Aluminium	W-METAXFX1	0.010	mg/L	**0.227**	± 10.0%	**0.043**	± 10.0%	**----**	----
Antimony	W-METAXFX1	0.010	mg/L	<0.010	----	<0.010	----	**----**	----
Arsenic	W-METAXFX1	0.0050	mg/L	<0.0050	----	<0.0050	----	**----**	----
Barium	W-METAXFX1	0.00050	mg/L	**0.0620**	± 10.0%	**0.117**	± 10.0%	**----**	----
Beryllium	W-METAXFX1	0.00020	mg/L	<0.00020	----	<0.00020	----	**----**	----
Bismuth	W-METAXFX2	0.010	mg/L	<0.010	----	<0.010	----	**----**	----
Boron	W-METAXFX1	0.010	mg/L	**0.130**	± 10.0%	**0.095**	± 10.0%	**----**	----
Cadmium	W-METAXFX1	0.00040	mg/L	<0.00040	----	<0.00040	----	**----**	----
Calcium	W-METAXFX1	0.0050	mg/L	**58.7**	± 10.0%	**108**	± 10.0%	**----**	----
Chromium	W-METAXFX1	0.0010	mg/L	**0.0031**	± 10.0%	**0.0078**	± 10.0%	**----**	----
Cobalt	W-METAXFX1	0.0020	mg/L	<0.0020	----	<0.0020	----	**----**	----
Copper	W-METAXFX1	0.0010	mg/L	**0.0136**	± 10.0%	**0.0047**	± 10.0%	**----**	----
Iron	W-METAXFX1	0.0020	mg/L	**0.594**	± 10.0%	**0.0574**	± 10.0%	**----**	----
Lead	W-METAXFX1	0.0050	mg/L	<0.0050	----	<0.0050	----	**----**	----
Lithium	W-METAXFX1	0.0010	mg/L	**0.0056**	± 10.0%	**0.0014**	± 10.0%	**----**	----
Magnesium	W-METAXFX1	0.0030	mg/L	**15.6**	± 10.0%	**19.0**	± 10.0%	**----**	----
Manganese	W-METAXFX1	0.00050	mg/L	**0.299**	± 10.0%	**0.0207**	± 10.0%	**----**	----
Mercury	W-HG-AFSFXL	0.0020	µg/L	**0.0059**	± 10.0%	**0.0071**	± 10.0%	**----**	----
Molybdenum	W-METAXFX1	0.0020	mg/L	**0.0174**	± 10.0%	**0.0038**	± 10.0%	**----**	----
Nickel	W-METAXFX1	0.0020	mg/L	<0.0020	----	<0.0020	----	**----**	----
Phosphorus	W-METAXFX1	0.050	mg/L	<0.050	----	<0.050	----	**----**	----
Potassium	W-METAXFX1	0.015	mg/L	**5.77**	± 10.0%	**11.5**	± 10.0%	**----**	----
Selenium	W-METAXFX1	0.010	mg/L	<0.010	----	<0.010	----	**----**	----
Silicon	W-METAXFX2	0.010	mg/L	**5.60**	± 10.0%	**5.65**	± 10.0%	**----**	----
Silver	W-METAXFX1	0.0010	mg/L	<0.0010	----	<0.0010	----	**----**	----
Sodium	W-METAXFX1	0.030	mg/L	**121**	± 10.0%	**75.0**	± 10.0%	**----**	----
Strontium	W-METAXFX2	0.0010	mg/L	**0.694**	± 10.0%	**1.14**	± 10.0%	**----**	----
Sulphur	W-METAXFX2	0.060	mg/L	**31.4**	± 10.0%	**23.6**	± 10.0%	**----**	----
Tellurium	W-METAXFX2	0.010	mg/L	<0.010	----	<0.010	----	**----**	----
Thallium	W-METAXFX1	0.010	mg/L	<0.010	----	<0.010	----	**----**	----
Tin	W-METAXFX2	0.010	mg/L	<0.010	----	<0.010	----	**----**	----
Titanium	W-METAXFX2	0.0010	mg/L	**0.0087**	± 10.0%	**0.0018**	± 10.0%	**----**	----
Vanadium	W-METAXFX1	0.0010	mg/L	**0.0011**	± 10.0%	<0.0010	----	**----**	----
Zinc	W-METAXFX1	0.0020	mg/L	**0.0202**	± 10.0%	**0.0125**	± 10.0%	**----**	----
Zirconium	W-METAXFX2	0.0010	mg/L	**0.0011**	± 10.0%	<0.0010	----	**----**	----

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Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
W-HG-AFSFXL	CZ_SOP_D06_02_096 (US EPA 245.7, CSN EN ISO 17852, CSN EN 16192, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2.) - Determination of Mercury by Fluorescence Spectrometry. Sample was fixed by nitric acid addition prior to analysis.
W-METAXFX1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, CSN EN 16192, US EPA 6010, SM 3120, CSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg. Sample was fixed by nitric acid addition prior to analysis.

Analytical Methods	*Method Descriptions*
W-METAXFX2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, CSN EN 16192, US EPA 6010, SM 3120, CSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg. Sample was fixed by nitric acid addition prior to analysis.

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

CERTIFICATE OF ANALYSIS

Work Order	: **PR2044396**	Issue Date	: 21-May-2020
Customer	: **KTE Co.**	Laboratory	: ALS Czech Republic, s.r.o.
Contact	: Eyal Shvartz	Contact	: Client Service
Address	: Hameginim Ave. 53 3326518 Haifa	Address	: Na Harfe 336/9 Prague 9 - Vysocany 190 00 Czech Republic
E-mail	: eyal@kte.co.il	E-mail	: customer.support@alsglobal.com
Telephone	: ----	Telephone	: +420 226 226 228
Project	: Blanket Quote KTE-141-20	Page	: 1 of 5
Order number	: ----	Date Samples Received	: 14-May-2020
		Quote number	: PR2014KTEKA-IL0454 (CZ-201-14-1156)
Site	: Sde Dov	Date of test	: 14-May-2020 - 21-May-2020
Sampled by	: client	QC Level	: ALS CR Standard Quality Control Schedule

General Comments

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The laboratory declares that the test results relate only to the listed samples. If the section "Sampled by" of the Certificate of analysis states: "Sampled by Customer" then the results relate to the sample as received.

Should a sample contain sediment it is decanted prior to volatile compounds determination.

Responsible for accuracy

Testing Laboratory No. 1163
Accredited by CAI according to
CSN EN ISO/IEC 17025:2018

Signatories	*Position*
Zdeněk Jirák	Environmental Business Unit Manager

Analytical Results

Sub-Matrix: **WATER**				Client sample ID	SW10		SW14		----	
				Laboratory sample ID	PR2044396-001		PR2044396-002		----	
				Client sampling date / time	12-May-2020		12-May-2020		----	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Total Metals / Major Cations										
Aluminium	W-METAXFX1	0.010	mg/L		**0.233**	± 10.0%	**0.053**	± 10.0%	**----**	----
Antimony	W-METAXFX1	0.010	mg/L		<0.010	----	<0.010	----	**----**	----
Arsenic	W-METAXFX1	0.0050	mg/L		<0.0050	----	<0.0050	----	**----**	----
Barium	W-METAXFX1	0.00050	mg/L		**0.175**	± 10.0%	**0.0418**	± 10.0%	**----**	----
Beryllium	W-METAXFX1	0.00020	mg/L		<0.00020	----	<0.00020	----	**----**	----
Bismuth	W-METAXFX2	0.010	mg/L		<0.010	----	<0.010	----	**----**	----
Boron	W-METAXFX1	0.010	mg/L		**0.079**	± 10.0%	**0.124**	± 10.0%	**----**	----
Cadmium	W-METAXFX1	0.00040	mg/L		<0.00040	----	<0.00040	----	**----**	----
Calcium	W-METAXFX1	0.0050	mg/L		**92.4**	± 10.0%	**79.8**	± 10.0%	**----**	----
Chromium	W-METAXFX1	0.0010	mg/L		**0.0012**	± 10.0%	**0.0013**	± 10.0%	**----**	----
Cobalt	W-METAXFX1	0.0020	mg/L		<0.0020	----	<0.0020	----	**----**	----
Copper	W-METAXFX1	0.0010	mg/L		**0.0032**	± 10.0%	**0.0047**	± 10.0%	**----**	----
Iron	W-METAXFX1	0.0020	mg/L		**0.170**	± 10.0%	**0.0423**	± 10.0%	**----**	----
Lead	W-METAXFX1	0.0050	mg/L		<0.0050	----	<0.0050	----	**----**	----
Lithium	W-METAXFX1	0.0010	mg/L		**0.0041**	± 10.0%	**0.0090**	± 10.0%	**----**	----
Magnesium	W-METAXFX1	0.0030	mg/L		**15.2**	± 10.0%	**33.9**	± 10.0%	**----**	----
Manganese	W-METAXFX1	0.00050	mg/L		**0.452**	± 10.0%	**0.0884**	± 10.0%	**----**	----
Mercury	W-HG-AFSFXL	0.0020	µg/L		**0.0023**	± 10.0%	**0.0021**	± 10.0%	**----**	----
Molybdenum	W-METAXFX1	0.0020	mg/L		**0.0096**	± 10.0%	**0.0054**	± 10.0%	**----**	----
Nickel	W-METAXFX1	0.0020	mg/L		**0.0040**	± 10.0%	<0.0020	----	**----**	----
Phosphorus	W-METAXFX1	0.050	mg/L		<0.050	----	<0.050	----	**----**	----
Potassium	W-METAXFX1	0.015	mg/L		**4.13**	± 10.0%	**14.7**	± 10.0%	**----**	----
Selenium	W-METAXFX1	0.010	mg/L		<0.010	----	<0.010	----	**----**	----
Silicon	W-METAXFX2	0.010	mg/L		**5.55**	± 10.0%	**3.20**	± 10.0%	**----**	----
Silver	W-METAXFX1	0.0010	mg/L		<0.0010	----	<0.0010	----	**----**	----
Sodium	W-METAXFX1	0.030	mg/L		**51.8**	± 10.0%	**197**	± 10.0%	**----**	----
Strontium	W-METAXFX2	0.0010	mg/L		**3.20**	± 10.0%	**0.845**	± 10.0%	**----**	----
Sulphur	W-METAXFX2	0.060	mg/L		**19.0**	± 10.0%	**29.8**	± 10.0%	**----**	----
Tellurium	W-METAXFX2	0.010	mg/L		<0.010	----	<0.010	----	**----**	----
Thallium	W-METAXFX1	0.010	mg/L		<0.010	----	<0.010	----	**----**	----
Tin	W-METAXFX2	0.010	mg/L		<0.010	----	<0.010	----	**----**	----
Titanium	W-METAXFX2	0.0010	mg/L		**0.0057**	± 10.0%	**0.0023**	± 10.0%	**----**	----
Vanadium	W-METAXFX1	0.0010	mg/L		<0.0010	----	<0.0010	----	**----**	----
Zinc	W-METAXFX1	0.0020	mg/L		**0.0328**	± 10.0%	**0.0205**	± 10.0%	**----**	----
Zirconium	W-METAXFX2	0.0010	mg/L		**0.0020**	± 10.0%	<0.0010	----	**----**	----
BTEX										
Benzene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Toluene	W-VOCGMS01	0.50	µg/L		<0.50	----	<0.50	----	**----**	----
Ethylbenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
meta- & para-Xylene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
ortho-Xylene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Sum of BTEX	W-VOCGMS01	1.10	µg/L		<1.10	----	<1.10	----	**----**	----
Sum of xylenes	W-VOCGMS01	0.30	µg/L		<0.30	----	<0.30	----	**----**	----
Sum of TEX	W-VOCGMS01	0.90	µg/L		<0.90	----	<0.90	----	**----**	----
Sum of BTEX (M1)	W-VOCGMS01	0.550	µg/L		<0.550	----	<0.550	----	**----**	----
Sum of TEX (M1)	W-VOCGMS01	0.450	µg/L		<0.450	----	<0.450	----	**----**	----
Sum of xylenes (M1)	W-VOCGMS01	0.150	µg/L		<0.150	----	<0.150	----	**----**	----
Halogenated Volatile Organic Compounds										
1.1.1.2-Tetrachloroethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
1.1.1-Trichloroethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
1.1.2.2-Tetrachloroethane	W-VOCGMS01	0.20	µg/L		**1.70**	± 40.0%	**1.53**	± 40.0%	**----**	----
1.1.2-Trichloroethane	W-VOCGMS01	0.20	µg/L		**0.58**	± 40.0%	**0.52**	± 40.0%	**----**	----
1.1-Dichloroethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
1.1-Dichloroethene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
1.1-Dichloropropene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
1.2.3-Trichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----

Sub-Matrix: **WATER**				*Client sample ID*	**SW10**		**SW14**		**----**	
				Laboratory sample ID	*PR2044396-001*		*PR2044396-002*		----	
				Client sampling date / time	12-May-2020		12-May-2020		----	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Halogenated Volatile Organic Compounds - Continued										
1.2.3-Trichloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
1.2.4-Trichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
1.2-Dibromo-3-chloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
1.2-Dibromoethane (EDB)	W-VOCGMS01	0.50	µg/L		<0.50	----	<0.50	----	**----**	----
1.2-Dichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
1.2-Dichloroethane	W-VOCGMS01	0.50	µg/L		<0.50	----	<0.50	----	**----**	----
1.2-Dichloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
1.3.5-Trichlorobenzene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
1.3-Dichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
1.3-Dichloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
1.4-Dichlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
2.2-Dichloropropane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
2-Chlorotoluene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
4-Chlorotoluene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Bromobenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Bromochloromethane	W-VOCGMS01	2.0	µg/L		<2.0	----	<2.0	----	**----**	----
Bromodichloromethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Bromoform	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Bromomethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Chlorobenzene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Chloroethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Chloroform	W-VOCGMS01	0.10	µg/L		**17.8**	± 40.0%	**16.8**	± 40.0%	**----**	----
Chloromethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
cis-1.2-Dichloroethene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
cis-1.3-Dichloropropene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Dibromochloromethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Dibromomethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Dichlorodifluoromethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Dichloromethane	W-VOCGMS01	6.0	µg/L		**299**	± 40.0%	**128**	± 40.0%	**----**	----
Hexachlorobutadiene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Sum of 3 Dichlorobenzenes	W-VOCGMS01	0.30	µg/L		<0.30	----	<0.30	----	**----**	----
Sum of 3 Dichlorobenzenes (M1)	W-VOCGMS01	0.150	µg/L		<0.150	----	<0.150	----	**----**	----
Sum of 3 Trichlorobenzenes	W-VOCGMS01	0.40	µg/L		<0.40	----	<0.40	----	**----**	----
Sum of 3 Trichlorobenzenes (M1)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Sum of 4 Trihalomethanes	W-VOCGMS01	0.50	µg/L		**17.8**	----	**16.8**	----	**----**	----
Sum of 4 Trihalomethanes (M1)	W-VOCGMS01	0.250	µg/L		**17.8**	----	**16.8**	----	**----**	----
Sum of 5 Chlorinated Ethenes	W-VOCGMS01	0.60	µg/L		<0.60	----	<0.60	----	**----**	----
Tetrachloroethene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Tetrachloromethane	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
trans-1.2-Dichloroethene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
trans-1.3-Dichloropropene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Trichloroethene	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Trichlorofluoromethane	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Vinyl chloride	W-VOCGMS01	0.10	µg/L		<0.10	----	<0.10	----	**----**	----
Sum of 1.2-Dichloroethenes	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Non-Halogenated Volatile Organic Compounds										
1.2.4-Trimethylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
1.3.5-Trimethylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Diisopropyl ether (DIPE)	W-VOCGMS01	0.60	µg/L		<0.60	----	<0.60	----	**----**	----
Ethyl tert-Butyl Ether (ETBE)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Isopropylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Methyl tert-Butyl Ether (MTBE)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
n-Butylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
n-Propylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
p-Isopropyltoluene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
sec-Butylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Styrene	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----

Sub-Matrix: **WATER**				*Client sample ID*	**SW10**		**SW14**		**----**	
				Laboratory sample ID	*PR2044396-001*		*PR2044396-002*		----	
				Client sampling date / time	12-May-2020		12-May-2020		----	
Parameter	*Method*	*LOR*	*Unit*		**Result**	**MU**	**Result**	**MU**	**Result**	**MU**
Non-Halogenated Volatile Organic Compounds - Continued										
Sum of BTEXS	W-VOCGMS01	1.3	µg/L		<1.3	----	<1.3	----	**----**	----
Sum of BTEXS (M1)	W-VOCGMS01	0.65	µg/L		<0.65	----	<0.65	----	**----**	----
tert-Amyl Ethyl Ether (TAEE)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
tert-Amyl Methyl Ether (TAME)	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
tert-Butyl alcohol	W-VOCGMS01	5.0	µg/L		<5.0	----	<5.0	----	**----**	----
tert-Butylbenzene	W-VOCGMS01	1.0	µg/L		<1.0	----	<1.0	----	**----**	----
Indane	W-VOCGMS01	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
1.4-Dioxane	W-VOCGMS01	50	µg/L		<50	----	<50	----	**----**	----
Polycyclic Aromatics Hydrocarbons (PAHs)										
Acenaphthylene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Acenaphthene	W-SMVGMS05	0.010	µg/L		**0.017**	± 30.0%	<0.010	----	**----**	----
Fluorene	W-SMVGMS05	0.010	µg/L		**0.012**	± 30.0%	<0.010	----	**----**	----
Phenanthrene	W-SMVGMS05	0.020	µg/L		<0.020	----	<0.020	----	**----**	----
Anthracene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Fluoranthene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Pyrene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benz(a)anthracene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Chrysene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(a)fluoranthene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(b)fluoranthene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(k)fluoranthene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(a)pyrene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Indeno(1.2.3.cd)pyrene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Benzo(g.h.i)perylene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Dibenz(a.h)anthracene	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Sum of 16 PAH	W-SMVGMS05	0.19	µg/L		<0.19	----	<0.19	----	**----**	----
Sum of 17 PAH	W-SMVGMS05	0.20	µg/L		<0.20	----	<0.20	----	**----**	----
Naphthalene	W-SMVGMS05	0.030	µg/L		<0.030	----	<0.030	----	**----**	----
PCBs										
PCB 28	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 52	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 101	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 118	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 138	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 153	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
PCB 180	W-SMVGMS05	0.010	µg/L		<0.010	----	<0.010	----	**----**	----
Sum of 7 PCBs	W-SMVGMS05	0.070	µg/L		<0.070	----	<0.070	----	**----**	----

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component. Measurement uncertainty is expressed as expanded measurement uncertainty with coverage factor k = 2, representing 95% confidence level.
Key: LOR = Limit of reporting; MU = Measurement Uncertainty. The MU does not include sampling uncertainty.

The end of result part of the certificate of analysis

Brief Method Summaries

Analytical Methods	*Method Descriptions*
Location of test performance: Na Harfe 336/9 Prague 9 - Vysocany Czech Republic 190 00	
W-HG-AFSFXL	CZ_SOP_D06_02_096 (US EPA 245.7, CSN EN ISO 17852, CSN EN 16192, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2.) - Determination of Mercury by Fluorescence Spectrometry. Sample was fixed by nitric acid addition prior to analysis.
W-METAXFX1	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, CSN EN 16192, US EPA 6010, SM 3120, CSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg. Sample was fixed by nitric acid addition prior to analysis.

Analytical Methods	*Method Descriptions*
W-METAXFX2	CZ_SOP_D06_02_001 (US EPA 200.7, CSN EN ISO 11885, CSN EN 16192, US EPA 6010, SM 3120, CSN 75 7358, samples prepared as per CZ_SOP_D06_02_J02 chap. 10.1 and 10.2) - Determination of elements by atomic emission spectrometry with inductively coupled plasma and stoichiometric calculations of compounds concentration from measured values including the calculation of total mineralization and calculating the sum of Ca+Mg. Sample was fixed by nitric acid addition prior to analysis.
W-SMVGMS05	CZ_SOP_D06_03_161 (US EPA 8270D, US EPA 8082A, CSN EN ISO 6468, US EPA 8000D, samples preparation as per CZ_SOP_D06_03_P01 chap. 9.1, 9.4.1. Determination of semi volatile organic compounds by gas chromatography method with MS or MS/MS detection and calculation of semi volatile organic compounds sums from measured values
W-VOCGMS01	CZ_SOP_D06_03_155 except chap. 10.5, 10.6 (US EPA 624, US EPA 8260, US EPA 8015, CSN EN ISO 10301, MADEP 2004, rev. 1.1, CSN ISO 11423, CSN EN ISO 15680) Determination of volatile organic compounds by gas chromatography method with FID and MS detection and calculation of volatile organic compounds sums from measured values

A `*` symbol preceding any method indicates laboratory or subcontractor non-accredited test. In the case when a procedure belonging to an accredited method was used for non-accredited matrix, would apply that the reported results are non-accredited. Please refer to General Comment section on front page for information. If the report contains subcontracted analysis, those are made in a subcontracted laboratory outside the laboratories ALS Czech Republic, s.r.o.
The calculation methods of summation parameters are available on request in the client service.

נספח 2

טפסי שדה ומשמורת

קרקע וגז קרקע

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 1 מתוך 5		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

דוגם מוסמך
מעבדה 395

שם האתר: שדה דוב - תל אביב תאריך דיגום: 23/3/20 שם הדוגם: מיכן דולב חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: geoprobe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
KK-27	0.5	9:35	חרסית חולית- כהה	1.4		אין	לא	
KK-27	1.0	9:38	חרסית חולית- בהיר	0.2		אין	לא	
KK-27	2.0	9:41	חרסית- חולית- בהיר- לח	1.7		אין	לא	
KK-27	3.0	9:44	חרסית- חולית- בהיר לח	1.4		אין	לא	
KK-26	0.5	9:50	חרסית חולית- לחה	2.0		אין	לא	
KK-26	1.0	9:57	חרסית חולית - לחה	1.0		אין	לא	
KK-26	2.0	9:54	חרסית חולית - לחה	1.1		אין	לא	
KK-26	3.0	9:57	חרסית חולית - לחה	1.3		אין	לא	
KK-28	0.5	10:02	חרסית חולית- לחה	2.8		אין	לא	
KK-28	1.0	10:04	חרסית חולית- לחה	4.1		אין	לא	
KK-28	2.0	10:06	חרסית חולית- חלק דיונה - בהיר	2.6		אין	לא	
KK-28	3.0	10:10	חרסית חולית- דחוסה לחה	1.5		אין	לא	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/6/24	21.2		0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באויר	0.0	√
9:00	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC הרשות הלאומית להסמכת מעבדות ISO/IEC 17025 מס' No. 395	*KTE Co.* Dr. G. Katz- Technologies & Enterprises	**טפסים** **מעבדה 395**
	טופס מס': KTE –F20	טופס: בדיקת ממצאי שדה
	מהדורה מס': 02	
	תקף מתאריך: 29/01/2020 מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ חתימה:
	עמוד 2 מתוך 2	אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה דוד - תל אביב תאריך דיגום: 23/3/20 שם הדוגם: איתן פינלס חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: GeoProbe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-25	0.5	10:15	חרסית-חולית דיונה.	4.7		אין	יש	
K14-25	1.0	10:19	חרסית חילית-דיונה	5.5		אין	יש	
K14-25	2.0	10:21	חרסית חולית-דיונה	4.9		אין	יש	
K14-25	3.0	10:24	חרסית חילית-דיונה	1.5		אין	יש	
K14-24	0.5	10:26	חול יבש-דיונה	4.9		אין	יש	
K14-24	1.0	10:30	חול בהיר דיונה	5.5		אין	יש	
K14-24	2.0	10:33	חול בהיר-דיונה	5.1		אין	יש	
K14-24	3.0	10:35	חול בהיר - דיונה	5.1		אין	יש	
K14-23	0.5	10:40	חול יבש-בהיר-דיונה	5.2		אין	יש	
K14-23	1.0	10:42	חול יבש-בהיר-דיונה	4.4		אין	יש	
K14-23	2.0	10:45	חול חרסיתי חילי.	1.7		אין	יש	
K14-23	3.0	10:47	חול חרסיתי-בהיר.	5.5		אין	יש	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/24	21.2	21.2	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באויר	0.0	√
9:00	כיול באמצעות גז	97.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 3 מתוך 5		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

ISRAC
הרשות הלאומית
להסמכת מעבדות
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No. 395 מס'

דוגם מוסמך
מעבדה 395

שם האתר: שדה דוד-תל אביב תאריך דיגום: 23/3/20 שם הדוגם: שקד דוגלס חתימה: [illegible]

מס' סקר חוזה: _____ . ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-22	0.5	11:00	חרסית חולית	3.8		אין	אין	
K14-22	1.0	11:03	חרסית חולית	4.0		אין	אין	
K14-22	2.0	11:05	חרסית חולית	4.5		אין	אין	
K14-22	3.0	11:07	חרסית חולית	3.5		אין	אין	
K14-21	0.5	11:13	חול דיונה-בהיר	4.2		אין	אין	
K14-21	1.0	11:15	חול דיונה-בהיר	4.0		אין	אין	
K14-21	2.0	11:19	חול דיונה בהיר	1.8		אין	אין	
K14-21	3.0	11:21	חול דיונה בהיר	3.8		אין	אין	
K14-20	0.5	11:24	חול חרסיתי-דיונה	4.7		אין	אין	
K14-20	1.0	11:27	חול חרסיתי-דיונה	3.3		אין	אין	
K14-20	2.0	11:30	חול חרסיתי-דיונה	3.8		אין	אין	
K14-20	3.0	11:33	חול חרסיתי-דיונה	3.3		אין	אין	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/24	22.1		0.0

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באויר	0.0	√
9:00	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 4 מתוך 5		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

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הרשות הלאומית
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דוגם מוסמך
מעבדה 395

שם האתר: שדה דוב - תל אביב תאריך דיגום: 23/3/20 שם הדוגם: מיקן פרוש חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: GeoProbe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-16	0.5	12:00	חרסית חולית - דיונה	3.2		אין	יש	
K14-16	1.0	12:02	חרסית חולית - דיונה	2.6		אין	יש	
K14-16	2.0	12:05	חרסית חולית - דיונה	0.6		אין	יש	
K14-16	3.0	12:07	חרסית חולית - דיונה	4.0		אין	יש	
K14-18	0.5	12:12	חרסית + חמרה = חרסית חולית	4.1		אין	יש	
K14-18	1.0	12:15	חרסית חולית	0.9		אין	יש	
K14-19	2.0	12:17	חרסית חולית	0.6		אין	יש	
K14-19	3.0	12:20	חרסית חולית.	0.4		אין	יש	
K14-19	0.5	12:22	חרסית-חולית	3.0		אין	יש	
K14-19	1.0	12:24	חרסית חולית	1.2		אין	יש	
K14-19	2.0	12:27	חרסית חולית	0.5		אין	יש	
K14-19	3.0	12:30	חרסית חולית	0.9		אין	יש	

תאריך תפוגת הכיול	טמפ': C° (בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת	
27/4/24	21.2		0.0	

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באוויר	0.0	
9:00	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

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הרשות הלאומית
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KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 5 מתוך 5		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדרות בוכ - תל אביב תאריך דיגום: 23/3/20 שם הדוגם: מיקן בוגלה חתימה: [illegible]

מס' סקר חוזה: _____ ציוד הקידוח: GeoProbe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-17	0.5	13:00	חרסית חולית- כהה	1.0		אין	לא	
K14-17	1.0	13:03	חמרה - חולי .. אפרפר	1.0		אין	לא	
K14-17	2.0	13:07	חרסית חולית- הרקע לחה	1.2		אין	לא	
K14-17	3.0	13:11	חרסית- חולית- הרקע לחה	0.5		אין	לא	
K14-15	0.5	13:15	חול חרסית - כהה	1.8		אין	לא	
K14-15	1.0	13:18	חול חרסיתי כהה	2.2		אין	לא	
K14-15	2.0	13:20	חול חרסיתי - כהה - כהה	3.5		אין	לא	
K14-15	3.0	13:21	חול חרסיתי כהה - כהה	3.2		אין	לא	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4	21.2		0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באוויר	0.0	√
9:00	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האוחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אבלון כסלו
שם אתר דיגום:	שדה דוד-תל אביב
כתובת האתר:	שדה דוד- צוי אבלה
תאריך הדיגום:	23/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 1 מתוך 1
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח:-Geoprobe

KTE-91-20 to Prg & to England (Re-sile)

דוגם מוסמך 395 מעבדה 6

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: מיגל פוגלס
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

שם המשלם: אבלון כסלו — האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: לוי — האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות הנדרשות:
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דוגמיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נהול רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך ☐ בינוני ☐ עמוק ☐

*מס סידורי רץ (A,B)	משמורת																							
H1													X		X	1.4			5	9:35	0.5	K14-27		✓
H2	X															0.2			5	9:39	1.0	K14-27		
H3	X															1.2			5	9:41	2.0	K14-27		
H4															X	1.4			5	9:44	3.0	K14-27		✓
H5													X		X	2.0			5	9:50	0.5	K14-26		✓
H6	X															1.0			5	9:52	1.0	K14-26		
H7	X															1.1			5	9:54	2.0	K14-26		
H8															X	1.3			5	9:57	3.0	K14-26		✓
H9													X		X	2.1			5	10:02	0.5	K14-28	Sp	✓
H10	X															4.7			5	10:04	1.0	K14-28		
H11	X															2.6			5	10:06	2.0	K14-28		
H12															X	1.3			5	10:10	3.0	K14-28		✓

עודים לנטילת הדוג'
שם:
חתימה:

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:-_____
*באחריות המעבדה האנליטית.

משרדי KTE
שם המאחסן: דוד ינס .מקום אחסון: ע"ב
האחראי על מקום האחסון

חתימת הדוגם מיגל פוגלס . נמסר ע"י: _____
תאריך: 23/3/20 שעה: 18:00

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירומות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"
כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר, 3. צנצנת עם HNO_3 ; 3.1,ויילים, 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית חום כהה 1 ליטר.7.1 בקבוק זכוכית חום כהה 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות המסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך: 23/3/20 . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: GeoPROBE
תאריך תחילת האחסון: 23/3/20 . שעה: _____ . תאריך סיום האחסון: 24/3/20 . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17020:2012
No. 395 מס'

שם הלקוח:	אהרון רמה
שם אתר דיגום:	תל אביב- שדה דב
כתובת האתר:	שדה דב- 18 שטרנל
תאריך הדיגום:	23/3/20 מס סקר חוזה:
שם איש הקשר:	לירן 18
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____. תאריך: _____. חתימה: _____. שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה

דף 2 מתוך 5

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנכ"ל:

סמן האם סוף דו"ח (√) ___

סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך 395 מעבדה

6

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ן טכנולוגיות.
מס' הסמכה::395
שם הדוגם: גיל
חתימת הדוגם: _____
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המע

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך ☐ בינוני ☐ עמוק ☐

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: _____
תוצאות המעבדה יועברו בפקס: _____
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

שם המשלם: אהרון רמה האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: לירן 18 האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה: _____
טלפון: _____
הערות לבדיקות הנדרשות: _____
לשימוש המעבדה האנליטית בלבד

*מס סידורי רץ (A,B)	משמורת																								
H13																									
H14	X																								
H15	X																								
H16																									
H17																									
H18	X																								
H19	X																								
H20																									
H21																									
H22	X																								
H23	X																								
H24																									

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכ ב-מ' חטף -ח'	תעד חריגות: 1. לא נשמרה בממ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום 6+	גדל גרגר	עופרת	אסבסט				
K14-25 sp	0.5	10:15	5			4.7	X		X											
K14-25	1.0	10:18	5			5.5														
K14-25	2.0	10:21	5			4.0														
K14-25	3.0	10:24	5			1.5	X													
K14-24	0.5	10:26	5			4.9	X		X											
K14-24	1.0	10:30	5			5.5														
K14-24	2.0	10:33	5			5.1														
K14-24	3.0	10:35	5			5.1	X													
K14-23	0.5	10:40	5			5.2	X		X											
K14-23	1.0	10:42	5			4.4														
K14-23	2.0	10:45	5			1.7														
K14-23	3.0	10:47	5			5.5	X													

חתימת הדוגם _____. נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____. מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____. *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירומות קרקע מזוהמת או החשודה בזיהום ודיגום מורדא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.1,ויילים.3 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____. הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת : (חתימה+ חותמת) _____ תאריך _____. השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא : Geoprobe
תאריך תחילת האחסון : _____. שעה : _____. תאריך סיום האחסון : _____. שעה : _____, תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17020:2017
No. 395 מס'

שם הלקוח:	אדיקלוב רסלה
שם אתר דיגום:	שפה ברור תל אביב
כתובת האתר:	שפה ברור תל אביב
תאריך הדיגום:	23/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____. תאריך: _____. חתימה: _____. שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה

דף 3 מתוך 5

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנב"ל:

סמן האם סוף דו"ח (√)____

סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

6

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: גיל
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המע

שם המשלם: אדיקלוב רסלה האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: שוקי האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות המדרשות: לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: ✓
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך בינוני עמוק

*מס סידורי רץ (A,B)	משמורת																							
H25													X		X	3.8			5	11:00	0.5	K14-22	✓	SP
H26	X															4.0			5	11:03	1.0	K14-22		
H27	X															4.5			5	11:05	2.0	K14-22		
H28															X	3.5			5	11:07	3.0	K14-22	✓	
H29													X		X	4.2			5	11:12	0.5	K14-21	✓	
H30	X															4.0			5	11:15	1.0	K14-21		
H31	X															1.9			5	11:18	2.0	K14-21		
H32															X	3.8			5	11:21	3.0	K14-21	✓	
H33													X		X	4.7			5	11:24	0.5	K14-20	✓	SP
H34	X															3.3			5	11:27	1.0	K14-20		
H35	X															3.8			5	11:30	2.0	K14-20		
H36															X	3.2			5	11:33	3.0	K14-20	✓	

עדים לנטילת הדוג' שם: חתימה:	התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____ תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____ *באחריות המעבדה האנליטית.	**משרדי KTE** שם המאחסן: _____ .מקום אחסון: _____ האחראי על מקום האחסון	חתימת הדוגם _____ . נמסר ע"י: _____ תאריך: _____ שעה: _____

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירומות קרקע מזוהמות או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☑, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: Geoprobe
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17020:2012
No. 395 מס'

שם הלקוח:	אהלון רמה
שם אתר דיגום:	שדה בוקר - תל ארד
כתובת האתר:	שדה בוקר - לוי שרגל
תאריך הדיגום:	23/3/20 — מס סקר חוזה:
שם איש הקשר:	

ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר _____

מס' PID (סוג הנורה Ev 10.6):T-114310_. תפוגת הכיול:23/11/2020

*התקבל ע"י: _____. תאריך: _____. חתימה: _____. שעה: _____

דגימות קרקע – תיעוד ודרישות אנליזה

דף 4 מתוך 5

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנכ"ל:

סמן האם סוף דו"ח (√)___

סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

6

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ סכנולוגיות.

מס' הסמכה::395

שם הדוגם: גיל פוליס

חתימת הדוגם: _____.

כתובת הארגון: המגינים 53 חיפה, 33265

טלפון: 04-8553343

פקס: 04-8553317

מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המע

אין להעתיק חלקים ממופס זה ללא אישור המעבדה

הצהרה: טופס זה מתייחס רק לפריטים שנדגמו

גובה משוער מפלס מי תהום: נמוך ☐ בינוני ☐ עמוק ☐

שם המעבדה האנליטית המבצעת את הבדיקות: ALS

תוצאות המעבדה יועברו במייל: _____.

תוצאות המעבדה יועברו בפקס: _____.

רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.

בדיקות נדרשות + % רטיבות

שם המשלם: אהלון רמה

איש קשר לתשלום: גיל לוי

חברה: _____

טלפון: _____

הערות לבדיקות הנדרשות: _____

האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא

האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא

לשימוש המעבדה האנליטית בלבד

*מס סידורי רץ (A,B)	משמורת																							
437													X		X	3.2	~~3.2~~		5	12:00	0.5	K14.16	✓
438	X															2.6	~~2.6~~		5	12:02	1.0	K14.16	
439	X															0.6	~~0.6~~		5	12:05	2.0	K14.16	
440															X	4.0	~~4.0~~		5	12:07	3.0	K14.16	✓
441													X		X	4.9	~~4.9~~		5	12:12	0.5	K14.18	✓
442	X															0.9	~~0.9~~		5	12:15	1.0	K14.18	
443	X															0.6	~~0.6~~		5	12:17	2.0	K14.18	
444															X	0.4	~~0.4~~		5	12:20	3.0	K14.18	✓
445													X		X	3.0	~~3.0~~		5	12:22	0.5	K14.19	✓
446	X															1.2	~~1.2~~		5	12:24	1.0	K14.19	
447	X															0.5	~~0.5~~		5	12:27	2.0	K14.19	
448															X	0.9	~~0.9~~		5	12:30	3.0	K14.19	✓

תעד חריגות: 1. לא משמרה בממפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.	מורכ ב -מ' חנוף -ח'	כלי הדיגום	שעת הדיגום	עומק (מטר)	זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה
~~3.2~~		5	12:00	0.5	K14.16
~~2.6~~		5	12:02	1.0	K14.16
~~0.6~~		5	12:05	2.0	K14.16
~~4.0~~		5	12:07	3.0	K14.16
~~4.9~~		5	12:12	0.5	K14.18
~~0.9~~		5	12:15	1.0	K14.18
~~0.6~~		5	12:17	2.0	K14.18
~~0.4~~		5	12:20	3.0	K14.18
~~3.0~~		5	12:22	0.5	K14.19
~~1.2~~		5	12:24	1.0	K14.19
~~0.5~~		5	12:27	2.0	K14.19
~~0.9~~		5	12:30	3.0	K14.19

PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גדל גרגר	עופרת	ציאנידים				
3.2	X		X											
2.6														
0.6														
4.0	X													
4.9	X		X											
0.9														
0.6														
0.4	X													
3.0	X		X											
1.2														
0.5														
0.9	X													

חתימת הדוגם _____. נמסר ע"י: _____

תאריך: _____ שעה: _____

משרדי KTE

שם המאחסן: _____. מקום אחסון: _____

האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה: _____ שעה : _____

תאריך: _____. *תעד טמפ' בעת קבלה במעבדה:- _____

*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'

שם:

חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירומות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☑, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לפרט: _____. הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____

שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____. השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: Geoprobe

תאריך תחילת האחסון: _____. שעה: _____. תאריך סיום האחסון: _____. שעה: _____, תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אדולפ רמא
שם אתר דיגום:	שדה דוד- תל אביב
כתובת האתר:	שדה דוד- תל אביב
תאריך הדיגום:	23/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____. תאריך: _____. חתימה: _____. שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 5 מתוך 5
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנב"ל:
סמן האם סוף דו"ח (√) ✓
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: גיל
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33268
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המע

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמ☐ בינ☐ עמ☐

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: ✓
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

שם המשלם: אדולפ רמא האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות הנדרשות: לשימוש המעבדה האנליטית בלבד

*מס סידורי רץ (A,B)	משמורת																							
H50													X		X	1.0			5	13:00	0.5	k14.17	✓	
H51	X															1.2			5	13:03	1.0	k14.17		
H52	X															1.2			5	13:07	2.0	k14.17		
H53															X	0.5			5	13:11	3.0	k14.17	✓	
H54													X		X	1.8			5	13:15	0.5	k14.15	✓	
H55	X															2.2			5	13:18	1.0	k14.15		
H56	X															3.5			5	13:20	2.0	k14.15		
H57															X	3.2			5	13:23	3.0	k14.15		
↓																								

PID (ppm)	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.	מורכ ב -מ' חנף -ח'	כלי הדיגום	שעת הדיגום	עומק (מטר)	זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה

עדים לנטילת הדוג'
שם:
חתימה:

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

משרדי KTE
שם המאחסן: _____ .מקום אחסון: _____
האחראי על מקום האחסן

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לבוצע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עיימות קרקע מזוהמת או החשודה בזיהום ודיגום מודא"
כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO3 ; 3.ויילים,3.1 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לפרט: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה: דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: GeoProbe
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: עירן רוזן
חתימת הדוגם: עירן רוזן
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דגימות קרקע – תיעוד ודרישות אנליזה
דף 1 מתוך 1
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) ✓
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

שם הלקוח:	גלבוע
שם אתר דיגום:	שדה דב
כתובת האתר:	שדה דב 61 גבע
תאריך הדיגום:	23/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310 , תפוגת הכיול:12/2019	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: גלבוע
איש קשר לתשלום:
חברה:
טלפון:
הערות לבדיקות הנדרשות:
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS גבעתיים
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חטף - ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפון פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גידל גרגר				משמורת	*מס סידורי רץ (A,B)
K14.29	0.5	5	10:05	ח			✓			✓									
K14.15	0.5	5	10:18	ח			✓												
K14.22	0.5	5	11:00	ח			✓												

חתימת הדוגם עירן רוזן נמסר ע"י: _____
תאריך: 23/3/20 שעה: _____

משרדי KTE
שם המאחסן: מקום אחסון: מקרר
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר, 3. צנצנת עם HNO_3 ; 3.1.ויילים, 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית חום כהה 1 ליטר.7.1 בקבוק זכוכית חום כהה 1 ליטר + מים. 7. בקבוק זכוכית שקופה 1 ליטר + Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית חום כהה 1 ליטר.7.1 בקבוק זכוכית חום כהה 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☒, לא בהסמכה: ☐ (הנחיות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת : (חתימה+ חותמת) _____ תאריך 23/3/20 . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא : _____
תאריך תחילת האחסון: _____ שעה: _____ . תאריך סיום האחסון: 24/3/20 . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

KTE אחסון

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20			
מהדורה מס': 02		טופס: בדיקת ממצאי שדה	
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 1 מתוך 8		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך
מעבדה 395

שם האתר: אזה דרום תל אביב תאריך דיגום: 24/3/20 שם הדוגם: מיקי דוגלס חתימה: _____

מס' סקר חוזה: _____ . ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-8	0.5	8:20	חול דיונה בהיר	0.2		אין	לא	
K14-8	1.0	8:22	חול דיונה בהיר עם	0.4		אין	לא	
K14-8	2.0	8:25	חול דיונה בהיר עם	0.3		אין	לא	
K14-8	3.0	8:26	חול דיונה אדמה. עם	0.7		אין	לא	
K14-6	0.5	8:31	חוטר מילוי מטר - חול בהיר עם	0.2		אין	לא	
K14-6	1.0	8:32	חול נקי - יסוד דיונה.	0.1		אין	לא	
K14-6	2.0	8:35	חול חלק - בהיר עם	0.2		אין	לא	
K14-6	3.0	8:37	חול עם ריקבון	0.1		אין	לא	
K14-7	0.5	8:42	חול אדמה מטר מגע	0.4		אין	לא	
K14-7	1.0	8:45	חול אדם מטר נר הדגמת אחוריות (אחסון)	0.3		אין	לא	
K14-7	2.0	8:47	חול בהיר - עם	0.7		אין	לא	
K14-7	3.0	8:50	חול בהיר + עם + כתם.	1.1		אין	לא	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/24	19.5	17.2	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באוויר	0.0	√
8:30	כיול באמצעות גז	99.8	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	חתימה:	נכתב ע"י: אייל שוורץ
עמוד 2 מתוך 8		חתימה:	אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל

ISRAC
הרשות הלאומית
לתקינה מעבדתית
ISO/IEC 17025:2017
No. 395 מס'

דוגם מוסמך
מעבדה 395

שם האתר: שדה דוב - תל אביב תעריך דיגום: 24/3/20 שם הדוגם: מיקי דונלס חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: GeoPROBE

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-4	0.5	8:55	חרסית חלודית - נפורה אבנים מילוי	2.1	2.2	אין	לא	
K14-4	1.0	8:57	חול ומעט צבוע - דיונה	2.1		אין	לא	
K14-4	2.0	9:00	חול דיונה בינוני	4.7	7.6	אין	לא	
K14-4	3.0	9:01	חול בהיר בהיר - אבן מים נמוכה	2.4		אין	לא	
K14-5	0.5	9:05	חול דיונה - רטוב - בהיר	0.8	0.8	אין	לא	
K14-5	1.0	9:07	חול דיונה - רטוב - בהיר	1.9		אין	לא	
K14-5	2.0	9:12	חול דיונה - לח.	1.6		אין	לא	
K14-5	3.0	9:13	חול סגיר דיונה.	1.9	1.8	אין	לא	
K14-3	0.5	9:20	חול דיונה אבנים מצבה	2.1		אין	לא	
K14-3	1.0	9:22	חול דיונה.	1.5		אין	לא	
K14-3	2.0	9:25	חול דיונה - בהיר	2.0		אין	לא	
K14 3	3.0	9:30	חול דיונה בינוני - בהיר	2.3		אין	לא	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/9/24	19.C	17.2	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באוויר	0.0	√
9:30	כיול באמצעות גז	99.8	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 3 מתוך 8		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה דוד - תל אביב תאריך דיגום: 24/3/20 שם הדוגם: מיקי פרנקל חתימה: [signature]

מס' סקר חוזה: _____ . ציוד הקידוח: GEOPROBE

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-14	0.5	9:42	חול יבש עם - בהיר	2.1		אין	לא	
K14-14	1.0	9:43	חול יבש עם - בהיר	1.4		אין	לא	
K14-14	2.0	9:47	חול בהיר - לח.	3.0		אין	לא	
K14-14	3.0	9:49	חול בהיר לח.	3.9	3.7	אין	לא	
K14-13	0.5	9:51	חול מאוד בהיר - רטוב	3.4		אין	לא	
K14-13	1.0	9:52	חול בהיר - רטוב	3.4		אין	לא	
K14-13	2.0	9:55	חול בהיר - רטוב	2.8		אין	לא	
K14-13	3.0	9:57	חתיכות חולות - בבר חול בהיר - אפור בינוני	2.8		אין	לא	
K14-2	0.5	10:02	חול חוק בהיר/בהיר - מאוד אבני אוחול.	0.9		אין	לא	
K14-2	1.0	10:03	חול בהיר - לח ריח אוביני	2.9		אין	לא	
K14-2	2.0	10:07	חול יבש בהיר	1.9		אין	לא	
K14-2	3.0	10:08	חול יבש בהיר.	2.2		אין	לא	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת	
27/4/20	19.0	17.2	0.0	

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באויר	0.0	
8:36	כיול באמצעות גז	99.8	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 4 מתוך 8		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

ISRAC
הרשות הלאומית
להסמכה מעבדות
ISO/IEC 17025:2017
No. 395 מס'

דוגם מוסמך
מעבדה 395

שם האתר: אמיר דוב-סל אביב תעריך דיגום: 24/3/20 שם הדוגם: גיא דוגלי חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-1	0.5	10:10	חול רטוב כבה-דיונה	2.9	2.3	אין	כן	
K14-1	1.0	10:11	חול רטוב-כהה	1.5		אין	כן	
K14-1	2.0	10:13	חול רטוב כהה	2.5		אין	כן	
K14-1	3.0	10:15	חול רטוב כהה	2.9	2.8	אין	כן	
K14-11	0.5	10:20	חול דיונה- רטוב -כהה	4.7		אין	כן	
K14-11	1.0	10:21	חול דיונה -רטוב כהה	3.3		אין	כן	
K14-11	2.0	10:26	חול דיונה - רטוב כהה	4.7	4.6	אין	כן	
K14-11	3.0	10:27	חול דיונה -רטוב כהה	2.7		אין	כן	
K14-10	0.5	10:30	חול- יפן / דיונה-כהה	4.4	4.2	אין	כן	
K14-10	1.0	10:31	חול - יפן דיונה - כהה	2.2		אין	כן	
K14-10	2.0	10:34	חול אם- דיונה-כהה	4.2		אין	כן	
K14-10	3.0	10:36	חול אם- דיונה- כהה	4.1		אין	כן	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/20	29.0	17.2	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באויר	0.0	√
8:30	כיול באמצעות גז	99.8	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC הרשות הלאומית להסמכת מעבדות ISO/IEC 17025:2017 No. 395 מס'	*KTE Co.* Dr. G. Katz- Technologies & Enterprises	**טפסים** **מעבדה 395**
	טופס מס': KTE –F20	טופס: בדיקת ממצאי שדה
	מהדורה מס': 02	
	תקף מתאריך: 29/01/2020 מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ חתימה:
	עמוד 5 מתוך 8	אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה דוד - תל אביב תעריך דיגום: 24/3/20 שם הדוגם: מיקי פרנס חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: GeoProbe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
~~K14-10~~	~~0.5~~	~~10:38~~	~~חול יבש/פולה תלוי-כהה~~	~~2.2~~		~~אין~~	~~לא~~	
~~K14-10~~	~~1.0~~	~~10:39~~	~~חול גס-כהה-רטוב~~	~~1.4~~		~~אין~~	~~לא~~	
~~K14-10~~	~~2.0~~	~~10:41~~	~~חול גס-כהה-רטוב~~	~~1.2~~		~~אין~~	~~לא~~	
~~K14-10~~	~~3.0~~	~~10:42~~	~~חול יבש רטוב~~	~~1.0~~		~~אין~~	~~לא~~	
K14-12	0.5	10:44	חומר מילוי - הרחבת חומר - חולית	5.0		אין	לא	
K14-12	1.0	10:45	חול כהה ותב מן 0.5	5.1		אין	לא	
K14-12	2.0	10:48	חול כהה - יבש פולה	5.5		אין	לא	
K14-12	3.0	10:49	חול כהה יבש פולה	5.4		אין	לא	
K14-9	0.5	10:52	חול חרסתי - חומר מילוי	2.1		אין	לא	
K14-9	1.0	10:54	חול חרסתי - כהה	2.8		אין	לא	
K14-9	2.0	10:57	חול חרסתי כהה	2.8		אין	לא	
K14-9	3.0	10:50	חול חרסתי	2.7		אין	לא	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/2021	19.0	12.2	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:30	כיול ב- באויר	0.0	✓
9:30	כיול באמצעות גז	99.9	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
לתיעוד מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 6 מתוך 8		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה דוד - תל אביב תעריך דיגום: 24/3/20 שם הדוגם: ריקי דולב חתימה: ריקי

מס' סקר חוזה: _____ . ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K14-7	4.0	11:02	חול חרסיתי אפור - ללא ריח מורחב	2.8	2.8	אין	יש	
K14-7	5.0	11:04	חול חרסיתי אפור בהיר מורחב	3.8	3.8	אין	יש	
K14-7	6.0	11:06	חרסית - רטוב אפור	4.8	4.8	אין	יש	
K14-7	7.0	11:08	חול חרסיתי אפור. רטוב.	1.8	1.8	אין	יש	
K14-7	7.5	11:10	חרסית חולית אפורה - רטובה	3.8	3.8	אין	יש	
K14-7	8.0	12:00	חרסית שונה - כדורית חומה	0.1		אין	יש	
K14-7	9.0	12:05	חרסית שונה - כדורית חומה	0.1		אין	יש	
K14-7	10.0	12:25	חרסית שונה - אפורה	0.1		אין	יש	
K14-W7	0.5	12:30	חומר מילוי חול חרסיתי כהה	0.7		אין	יש	
K14-W7	1.0	12:32	חול חרסיתי כהה.	0.1		אין	יש	
K14-W7	2.0	12:33	חול גרוס	0.3		אין	יש	
K14-W7	3.0	12:35	גרוס שונה	3.8		אין	יש	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/20	19.0	17.2	0.0

שם המכשיר PPM :DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באויר	0.0	√
9:30	כיול באמצעות גז	99.8	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 7 מתוך 8		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

ISRAC
הרשות הלאומית
להסמכה מעבדות
ISO/IEC 17025:2017
No. 395 מס'

דוגם מוסמך
מעבדה 395

שם האתר: שדה בוקר- תל אבן תאריך דיגום: 24/3/20 שם הדוגם: מיכן פולס חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: GeoProbe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K11-1	0.5	12:40	חומר מילוי- חול חרסיתי	0.1		אין	כן	
K11-1	1.0	12:41	חול חרסיתי כהה	2.1		אין	כן	
K11-1	2.0	12:44	חול חרסיתי כהה	3.0		אין	כן	
K11-1	3.0	12:46	חרסית חולית חומית כהה	3.1		אין	כן	
K11-2	0.5	12:47	חומר מילוי- חול כהה	2.0		אין	כן	
K11-2	1.0	12:51	חול חרסיתי חלש כהה	3.3		אין	כן	
K11-2	2.0	12:55	חרסית שמנה- שחורה	2.7		אין	כן	
K11-2	3.0	12:57	חרסית שמנה- שחורה	1.3		אין	כן	
K11-3	0.5	13:02	חומר מילוי- חול חרסיתי	1.6		אין	כן	
K11-3	1.0	13:05	חרסית שמנה.	2.5		אין	כן	
K11-3	2.0	13:10	חרסית חולית- חומה כהה	2.0		אין	כן	
K11-3	3.0	13:11	חול כהה- רטוב.	2.1		אין	כן	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/24	19.0	17.2	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באויר	0.0	√
8:30	כיול באמצעות גז	99.8	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 8 מתוך 8		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

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לתעסוקת מעבדות
ISO/IEC 17025
No. 395 מס'

דוגם מוסמך
מעבדה 395

שם האתר: שדה דוב - תל אביב תעריך דיגום: 28/3/20 שם הדוגם: מיקי דוגלי חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K11-8	0.5	13:20	חומר מילוי - חול כהה חרסית	0.2		אין	לא	
K11-8	1.0	13:21	חול חרסיתי מעט אבני חול	2.2		אין	לא	
K11-8	2.0	13:25	חול חרסיתי, אבני חול	2.1		אין	לא	
K11-8	3.0	13:26	חול חרסיתי, אבני חול	2.6		אין	לא	
K11-4	0.5	13:30	חומר מילוי, אבני חול - חול חרסיתי	0.7		אין	לא	
K11-4	1.0	13:31	~~חומר~~ חול חרסיתי	2.4		אין	לא	
K11-4	2.0	13:35	חול חרסיתי כהה	1.5		אין	לא	
K11-4	3.0	13:37	חרסית שמנה - אחורה	1.9		אין	לא	
						~~אין~~	~~לא~~	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
	18.0	17.2	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באויר	0.0	✓
9:30	כיול באמצעות גז	99.8	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE-93-20 to Prg Q to Reeside

שם הלקוח:	אלבלוג רמלה
שם אתר דיגום:	שדה דוד - תל אביב
כתובת האתר:	לוי אשכול
תאריך הדיגום:	24/3/20 מס סקר וחזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ חפגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

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הרשות הלאומית להסמכות מעבדות
ISO/IEC 17025:2017
No. 395 מס'

דגימות קרקע – תיעוד דרישות אנליזה

דף 1 מתוך 8

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנכ"ל:

סמן האם סוף דו"ח (√)

סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

6

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: גיל כץ
חתימה הדוגם: _____
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

שם המשלם: אלבלוג רמלה האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: גיל לוי האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה: _____
טלפון: _____
הערות לבדיקות הדרישות: _____ לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: ✓
תוצאות המעבדה יועברו בפקס: _____
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להצמיד חלקים ממסמך זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך ☐ בינוני ☐ עמוק ☐

*מס' מיכלי דג (A,B)	משמורת																								
11																									
12	X																								
13	X																								
14																									
15	X																								
16																									
17	X																								
18																									
19	X																								
110																									
111	X																								
112																									

זיהוי נק' הדיגום. ע"פ בקשת ממיין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מדרך ב-מ' חמף -ח'	תעד הריגות: 1. לא נשטרה בטפל מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	ברום +6	גידל גרגר	עופרת	ציאנידים			
K14-8	0.5	8:20	5			0.2	X		X										
K14-8	1.0	8:22	5			0.4													
K14-8	2.0	8:25	5			0.3													
K14-8	3.0	8:26	5			0.7	X												
K14-6	0.5	8:31	5			0.2													
K14-6	1.0	8:32	5			0.1	X		X										
K14-6	2.0	8:35	5			0.2													
K14-6	3.0	8:37	5			0.1	X												
K14-7	0.5	8:42	5			0.4													
K14-7	1.0	8:45	5			0.3	X		X										
K14-7	2.0	8:47	5			0.7													
K14-7	3.0	8:50	5			1.1	X												

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: 24/3/20 שעה: 16:00

משרדי KTE
שם המאחסן: גיל לוי . מקום אחסון: מעבדה
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד מצב בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטאורולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמת אר החשודה בזיהום רדיוגם מזרזא"
כלי הדיגום: 1. שרוול קרקע, 2. צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO3 ; 3.1.ויילים, 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
נא לסמן האם הדיגום נעשה בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנת"ס מתאבק: Geoprobe
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך 24/3/20 . השיטה: (דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: 25/3/20 . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

מנהל איכות KTE

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקח:	אדלסון רפאל
שם אחר דיגום:	אדיר רון - תל
כתובת האתר:	טי אביב
תאריך הדיגום:	24/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 2 מתוך 8
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)___
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395
6

טופס שרשרת משמורת- COC

ארגון הדגם: ד"ר כ"ן טכנולוגיות.
מס' המעבדה::395
שם הדוגם: גיל דיגן
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. יטולא במקרה שהדגימה נמסרה לאדם שאינו נציג המע

שם המשלח: אדלסון רפאל	האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: גלי 5918	האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:	
טלפון:	
הוראות לבדיקות הנדרשות:	לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: _____
תוצאות המעבדה יועברו בפקס: _____
רמת הדחיפה קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נוספות + % רטיבות

אין להעתיק ולקיים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
נובה משוער מפלס מי תהום:
נמ☐ בינ☐ עמ☐

זיהוי נק' הדיגום. ע"פ בקשת מומחה העבודה	שינוק (מטר)	שעת הדיגום	כלי הדיגום	מדיד ב-מ' חנוך -מ'	תעד חריגות: 1. לא נשטרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	פרום 6+	גיבל גיבר	עופרת	ציאנידים				משמורת		*מס סידורי ריק (A,B)
K14-4	0.5	9:55	5			2.1														X		113
K14-4	1.0	9:57	5			2.1	X		X													114
K14-4	2.0	9:00	5			1.7														X		115
K14-4	3.0	9:01	5			2.4	X															116
K14-5 sp	0.5	9:05	5			0.0	X		X													117
K14-5	1.0	9:07	5			1.9														X		118
K14-5	2.0	9:12	5			1.6														X		119
K14-5	3.0	9:13	5			1.9	X															120
K14-3	0.5	9:20	5			2.1														X		121
K14-3	1.0	9:22	5			1.5	X		X													122
K14-3	2.0	9:25	5			2.0														X		123
K14-3	3.0	9:30	5			2.3	X															124

עדים לנטילת הדוג' שם: חתימה:	התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____ תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____ *באחריות המעבדה האנליטית.	**משרדי KTE** שם המאוסף: _____ .מקום אחסון: _____ האחראי על מקום האחסון

חתימת הדוגם _____ . נמסר ע"י: _____ תאריך: _____ שעה: _____

תנאים מטאורולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמות או החשודה בזיהום ודיגום מוזרא"
כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. ; צנצנת עם HNO3 ;1.3.ויילים,3.1. Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית-שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לנעוד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנת מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה (דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: Geoprobe
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17020:2012
No. 395 מס'

שם הלקוח:	אהרלה רמי
שם אחר דיגום:	אבה דוד - רח' אריך
כתובת האתר:	אבה דוד 18 - אריאל
תאריך הדיגום:	24/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הטורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חותמת: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה

דף 5 מתוך 8

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנב"ל:

סמן האם סוף דו"ח (√) ____

סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

(6)

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: גיל
חתימת הדוגם: _____
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המע

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמ☐ בינ☐ עמ☐

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: _____
תוצאות המעבדה יועברו בפקס: _____
רמת דוחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נהל רגיל.
בדיקות נדרשות + % רטיבות

שם המשלם: אהרלה רמי
איש קשר לתשלום: אריאל
חברה: _____
טלפון: _____
הערות לבדיקות הנדרשות: _____
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

*מס סידורי ריק (A,B)	משמורת														PID (ppm)	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה. 2. לא התקבל או טופל בפרק הזמן הנדרש. 3. התקבל באפן פגום.	מדרג ב-מ' חשוף -ח'	כלי הדיגום	שעת הדיגום	עומק (מטר)	דיגמי פק' הדיגום. ע"פ בקשת מזמין העבודה
125															2.1			5	9:47	0.5	K14-14
126	X														1.4			5	9:43	1.0	K14-14
127	X														3.0			5	9:47	2.0	K14-14
128														X	3.7			5	9:48	3.0	K14-14
129														X	3.4			5	9:51	0.5	K14-13
130	X														3.4			5	9:52	1.0	K14-13
131	X														2.8			5	9:53	2.0	K14-13
132														X	2.8			5	9:57	3.0	K14-13
133														X	2.9			5	10:02	0.5	K14-2 sp
134	X														2.9			5	10:03	1.0	K14-2
135	X														1.9			5	10:07	2.0	K14-2
136														X	2.2			5	10:08	3.0	K14-2

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____ .מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטאורולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המשרד בדבר הסכמה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום שיירות קרקע מזוהמות או החשודה בזיהום ודיגום מודגא"

כלי הדיגום : 1. שרוול קרקע, 2. צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO3 ; 3. ויילים,3.1 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☑, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנת מתאריך: _____

שם מאשר דו"ח טופס המשמורת : (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: GeoProbe

תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17020:2012
No. 395 מס'

שם הלקוח:	אקדמון כרמל
שם אתר דיגום:	שדה דוד-תל אביב
כתובת האתר:	שדה דוד - 18 אשכול
תאריך הדיגום:	24/3/29 מס סקר חתה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סג הנורה Ev 10.6):T-114310 . תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 4 מתוך 8
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395
6

טופס שרשרת משמורת- COC

ארגון הדגם: ד"ר כ"ץ טכנולוגיות.
מס' המעבדה::395
שם הדגם: גיל
חתימת הדגם:
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המע

שם המשלם: אקדמון כרמל
איש קשר לתשלום: גיל 5:3 לוי
חברה:
טלפון:
הוראות לבדיקות הנדרשות:
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה: משוער מפלס מי תהום:
נמוך בינוני עמוק

*מס סידורי רץ (A,B)	משמורת						ציאנידים	עופרת	גדל גרגר	כרום +6	pH	VOC	SVOC	ICP	TPH GRO	TPH DRO/ORO	PID (ppm)	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.	מדרג ב-מ' חבוף -ח'	מלי הדיגום	שעת הדיגום	עומק (מטר)	דיגוי נק' הדיגום. ע"פ בקשת מזמיין העבודה
137														X		X	2.9			5	10:10	0.5	K14-1 ✓
138	X																1.5			5	10:11	1.0	K14-1
139	X																2.5			5	10:13	2.0	K14-1
140																X	2.9			5	10:15	3.0	K14-1 ✓
141														X		X	4.7			5	10:20	0.5	K14-11 ✓
142	X																3.3			5	10:21	1.0	K14-11
143	X																4.2			5	10:26	2.0	K14-11
144																X	2.7			5	10:27	3.0	K14-11 ✓
145														X		X	4.4			5	10:30	0.5	K14-10 sp ✓
146	X																2.2			5	10:31	1.0	K14-10
147	X																4.2			5	10:34	2.0	K14-10
148																X	9.1			5	10:36	3.0	K14-10 ✓

חתימת הדגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____ .מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה: _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המשרד כמות בדיקות ביחתר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עריסות קרקע מזוהמת או החשודה בזיהום ודיגום מחודש"
כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.1,ויילים, 3.1 :Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
לא לסמן האם הדיגום נעשה בהסמכה: ☐ , לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות לא לדעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנת הסביבה מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	איגוא סרן
שם אתר דיגום:	שדה בוקר - דרום אדום
כתובת האתר:	לוי אשכול
תאריך הדיגום:	24/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד דרישות אנליזה

דף 1 מתוך 8

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנכ"ל:

סמן האם סוף דו"ח (√)

סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: גיל רז
חתימת הדוגם: _____
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המע

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מוייחס רק לפריטים שנבדקו
נכון: משוער מפלס מי תהום:
נמ☐ בינ☐ עמ☐

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: ✓
תוצאות המעבדה יועברו בפקס: _____
רמת זחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נהל רגיל.
בדיקות נוספות + % רטיבות

שם המשלם: איגוא סרן
איש קשר לתשלום: גלי 57.8
חברה: _____
טלפון: _____
הערות לבדיקות ומדרשות: _____
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

*מס סידורי רק (A,B)	משמורת																							
149																								
150	X																							
151	X																							
152																								
153	X																							
154																								
155	X																							
156																								
157	X																							
158																								
159	X																							
160																								

PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גרגל גרגר	עופרת	ציאנידים								
~~2.2~~	~~X~~		~~X~~															
~~1.4~~																		
~~1.2~~																		
~~1.0~~	~~X~~																	
5.0																		
5.1	X		X															
5.5																		
5.0	X																	
2.1																		
2.8	X		X															
2.0																		
2.7	X																	

זיהוי בק' הדיגום. ע"פ בקשות מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכב ב-מ' חמוף -ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.
~~K14-10~~	~~0.5~~	~~10:38~~	~~5~~		~~נ.ל.~~
~~K14-10~~	~~1.0~~	~~10:37~~	~~5~~		~~נ.ל.~~
~~K14-10~~	~~2.0~~	~~10:44~~	~~5~~		~~נ.ל.~~
~~K14-10~~	~~3.0~~	~~10:42~~	~~5~~		~~נ.ל.~~
K14-12	0.5	10:44	5		✓
K14-12	1.0	10:45	5		✓
K14-12	2.0	10:49	5		
K14-12	3.0	10:49	5		✓
K14-9	0.5	10:57	5		
K14-9	1.0	10:54	5		✓
K14-9	2.0	10:57	5		
K14-9	3.0	10:57	5		✓

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____ מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה: _____ שעה : _____
תאריך: _____ . *תעד מס' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילה הדוגמ
שם:
חתימה:

תנאים מטאורולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד מס':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עיימות קרקע מזוהמת או החשודה: בדיהום ודיגום מודיא"
כלי הדיגום : 1. שרוול קרקע, 2. צנצנת 0.5 ליטר,2.1 : צנצנת עם HNO_3 ; 3.1,ויילים .3 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לציין: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לציין: _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא : Geoprobe
שם מאשר דו"ח טופס המשמורת : (חתימה+ חותמת) _____ תאריך _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא
תאריך תחילת האחסון: _____ . שעה: _____

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אהוד בן נתן
שם אחר דיגום:	אבי בוק תל אביב
כתובת האתר:	לוי אשכול
תאריך הדיגום:	24/3/20 מס סקר חדרה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310 _ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 6 מתוך 8
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנב"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

(5)

טופס שרשרת משמורת- COC

ארגון הדגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדגם: אבי בוק
חתימת הדגם:
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@ktc.co.il

*בדה, ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המע

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה נתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמ☐ בינ☐ עמ☐

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: ✓
תוצאות המעבדה יועברו בפקס:
רמת הזיהום קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

שם המשלח: אהוד בן נתן האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: אבי בוק האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקת הנדרשות: לשימוש המעבדה האנליטית בלבד

*מס סידורי ריק (A,B)	משמורת																							
161	X														2.8			5	11:02	4.0	K14-7			
162	X														3.8			5	11:04	5.0	K14-7			
163														X	4.8			5	11:06	6.0	K14-7			✓
164	X														1.8			5	11:08	7.0	K14-7			
165														X	3.8			5	11:10	7.5	K14-7			✓
166	X														0.1			5	12:00	8.0	K14-7			
167	X														0.1			5	12:05	9.0	K14-7			
168														X	0.1			5	12:25	10.0	K14-7			✓
169	X														0.7			5	12:30	0.5	K11-7			
170													X	X	0.1			5	12:31	1.0	K11-7			✓
171	X														3.8			5	12:33	2.0	K11-7			
172														X	3.8			5	12:34	3.0	K11-7			✓

זיהוי נק' הדיגום. ע"פ נקשות מזמיין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכ ב-מ' חנוף -ח'	הער הריגות: 1. לא נשמרה בטפ' מתאימה.2.לא התקבל או מיפל בפרק הזמן הדרוש.3.התקבל באפן מעט.
K14-7	4.0	11:02	5		
K14-7	5.0	11:04	5		
K14-7	6.0	11:06	5		
K14-7	7.0	11:08	5		
K14-7	7.5	11:10	5		
K14-7	8.0	12:00	5		
K14-7	9.0	12:05	5		
K14-7	10.0	12:25	5		
K11-7	0.5	12:30	5		
K11-7	1.0	12:31	5		
K11-7	2.0	12:33	5		
K11-7	3.0	12:34	5		

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____ מקום אחסון: _____
האוראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה: _____ שעה: _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

ערים לנטילת הדגם
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לזמירה, דיגום שריפות קרקע מחדהמות אר החשרדה בזיהום דיגום מזרמא"
כלי הדיגום: 1. שרוול קרקע, 2. צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO3 ; 3.1.ויילים, 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת Nacl(תמיסת מלח), 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגניים מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדגמא: Geoprobe
תאריך תחילת האחסון: _____ שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקח:	אהרון לוי
שם אתר דיגום:	אזור דרום
כתובת האתר:	אבשלום
תאריך הדיגום:	24/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה T-114310:(Ev 10.6 _ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ תאריך: _____ חתימה: _____ שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה

דף 7 מתוך 6

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנב"ל:

סמן האם סוף דו"ח (√) ___

סוג מכשיר הקידוח:-Geoprobe

דגום מוסמך מעבדה 395

6

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: מיקי
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה. 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

שם המשלם: אהרון לוי
איש קשר לתשלום: אורי לוי
חברה:
טלפון:
הערות לבדיקות המדרשות:

האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) ק/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) ק/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת-את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: ✓
תוצאות המעבדה יועברו בפקס:
רשת הזיפות קבלה אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להשתיק חלקים מטופס זה ללא אישור המעבדה
הצפרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמ☐ בינ☐ עכ☐

דיגום נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מודב ב-מ' חנוף -ח'	תאר דגיגות: 1. לא נשטרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הנדרש.3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	פרום +6	גודל גרגר	עיפרת	אסבסטים				משטורת	*מס סידורי רץ (A,B)
K11-1	0.5	12:40	5			0.1														X	173
K11-1	1.0	12:41	5			2.1	X		X												174
K11-1	2.0	12:44	5			3.0														X	175
K11-1	3.0	12:46	5			3.1	X														176
K11-2	0.5	12:49	5			2.9														X	177
K11-2	1.0	12:51	5			3.3	X		X												178
K11-2	2.0	12:55	5			2.7														X	179
K11-2	3.0	12:57	5			1.3	X														180
K11-3	0.5	13:03	5			1.6														X	181
K11-3	1.0	13:05	5			2.5	X		X												182
K11-3	2.0	13:10	5			2.0														X	183
K11-3	3.0	13:11	5			2.1	X														184

שדות לבדיקת המדגם _____ נמסר ע"י: _____
תאריך: _____ שעה: _____

KTE משרדי
שם הנאמן: _____ מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה: _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטאורולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להמלצות המשרד לכמות הדגימה ביחסי של המשרד להגנת הסביבה "המלצות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמת אור המשרד בדיקות ודיגום מזוהמ"

כלי הדיגום: 1. שרוול קרקע, 2. צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO3 ; 3.1,ויילים: 3.2 : מתנול, 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות סא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____

שם מאשר דו"ח טופס המשמורת : (חתימה+ חותמת) _____ תאריך _____ . השיטה: (דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____

תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אקלא קל
שם אתר דיגום:	שדה דוד-קל אבן
כתובת האתר:	שדה דוד-קל אבן
תאריך הדיגום:	24/3/20 מס סקר חוזה:
שם איש הקשר:	
יישוב הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סת הנורה Ev 10.6): T-114310 . תפוגת הכיול: 23/11/2020	
*התקבל ע"י: . תאריך: . חתימה: . שעה:	

דגימות קרקע – תיעוד ודרישות אנליזה

דף 8 מתוך 8

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנכ"ל:

סמן האם סוף דו"ח (√) ✓

סוג מכשיר הקידוח: Geoprobe-

דוגם מוסמך 395 מעבדה

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ן טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: גיל
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@ktc.co.il

שם המשלם: אקלא קל
איש קשר לתשלום: גיל
חברה:
טלפון:
הערות לבדיקות ודרישות:

האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: ✓
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נתוך רגיל.
בדיקות נדרשות + % רטיבות

אין להשתיק הלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
נדגם ☐ בין ☐ עם ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכ ב-מ' חנוף -ח'	תעד הדיגות: 1. לא נשטרה בטמפ' מתאימה. 2. לא התקבל או טופל בפרק הזמן הדרוש. 3. התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	ניקל נדיר	עופרת	ציאנידים				משמורת	*מס סידורי רץ (A,B)
K11-7	0.5	13:20	5			0.2														X	185
K11-7	1.0	13:21	5			2.2	X		X												186
K11-7	2.0	13:25	5			2.1														X	187
K11-7	3.0	13:26	5			2.6	X														188
K11-4	0.5	13:30	5			0.4														X	189
K11-4	1.0	13:31	5			2.4	X		X												190
K11-4	2.0	13:35	5			2.2														X	191
K11-4	3.0	13:37	5			2.1	X														192
FB							X		X		X										

חתימת הדוגם: . נמסר ע"י:
תאריך: שעה:

משרדי KTE
שם המאחסן: . מקום אחסון:
האחראי על מקום האחסון

התקבל במעבדה ע"י: חותמת + חתימה: שעה :
תאריך: . *תעד טמפ' בעת קבלה במעבדה:-
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמות או חשודות בזיהום חיידקים מחודש"
כלי הדיגום : 1. שרוול קרקע, 2. צנצנת 0.5 ליטר, 2.1. : צנצנת עם HNO_3 ; 3.1. ויילים, 3. Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר. 7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
לא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת : (חתימה+ חותמת) _____ תאריך _____ . השיטה :(דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא : Geoprobe
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17020:2012
No. 395 מס'

שם הלקוח:	אלון
שם אתר דיגום:	שדה דב
כתובת האתר:	שדה דב 61 תל אביב
תאריך הדיגום:	24/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הגורה Ev 10.6):T-114310 , תפוגת הכיול:12/2019	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף _____ מתוך _____
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)____
סוג מכשיר הקידוח:-Geoprobe

טופס שרשרת משמורת- COC

דוגם מוסמך 395 מעבדה

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: גיל רז
חתימת הדוגם: גיל רז
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: אלון
איש קשר לתשלום: _____
חברה: _____
טלפון: _____
הערות לבדיקות הנדרשות: _____
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ACS אגלה
תוצאות המעבדה יועברו במייל: _____
תוצאות המעבדה יועברו בפקס: _____
רמת דוגמיות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חטף - ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גיל גרגר						משמורת	*מס סידורי רץ (A,B)
K14-5	0.5	5	9:05				X		X												
K14-2	0.5	5	10:02				X		X												
K14-16	0.5	5	11:30				X														
K11-7	1	5	13:05				X														

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: 24/3/20 שעה: 18:00

משרדי KTE
שם המאחסן: דוד יוסי .מקום אחסון: מעבדה
האחראי על מקום האחסון

החתקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"

כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☒, לא בהסמכה: ☐ (הרשות להסמכת מעבדות), במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להג"ס מתאריך: _____

שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך 24/3/20 . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____

תאריך תחילת האחסון: 24/3/20 . שעה: _____ . תאריך סיום האחסון: 25/3/20 . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2005
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20			
מהדורה מס': 02		טופס: בדיקת ממצאי שדה	
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 1 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה דוב - תל אביב תעריך דיגום: 25/3/20 שם הדוגם: מיקי דוידס חתימה:

מס' סקר חוזה: _____ ציוד הקידוח: GeoProbe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K11-24	0.5	9:40	חול חרסיתי כהה	0.4		אין	לא	J1
K11-24	1.0	9:41	חול חרסיתי כהה - חום	0.8		אין	לא	J2
K11-24	2.0	9:45	חול חרסיתי כהה חום	1.0		אין	לא	J3
K11-24	3.0	9:46	חול חרסיתי כהה חום	0.9		אין	לא	J4
K11-19	0.5	9:51	חול עם צבע	2.1		אין	לא	J5
K11-19	1.0	9:52	חול עם כהה	0.6		אין	לא	J6
K11-19	2.0	9:55	חול חרסיתי כהה	0.3		אין	לא	J7
K11-19	3.0	9:57	חול חרסיתי כהה	0.1		אין	לא	J8
K11-20	0.5	10:02	חרסית חולית כהה - אפרפר	5.9		אין	לא	J9
K11-20	1.0	10:04	חרסית חולית כהה - כהה	5.2		אין	לא	J10
K11-20	2.0	10:08	חרסית חולית כהה - אפרפר	0.6		אין	לא	J11
K11-20	3.0	10:10	חרסית חולית כהה	0.2		אין	לא	J12

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/6/24	17.0	19.0	0.0

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)

שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:30	כיול ב- באויר	0.0	√
9:30	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכות מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20			
מהדורה מס': 02		טופס: בדיקת ממצאי שדה	
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 2 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שפה ברור - תל אביב תאריך דיגום: 25/3/20 שם הדוגם: איקה דוגלס חתימה: _____

מס' סקר חוזה: _____ . ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K11-21	0.5	10:10	חול חרסתי כהה	1.3		אין	לא	
K11-21	1.0	10:13	חול חרסתי כהה	3.1		אין	לא	
K11-21	2.0	10:17	חול חרסתי כהה	4.5		אין	לא	
K11-21	3.0	10:18	חרסית - שנהב שחורה	3.0		אין	לא	
K11-14	0.5	10:21	חול דונה בהיר	4.3		אין	לא	
K11-14	1.0	10:22	חול דונה בהיר	4.5		אין	לא	
K11-14	2.0	10:27	חול דונה בהיר	3.4		אין	לא	
K11-14	3.0	10:28	חול דונה כהה	0.7		אין	לא	
K11-9	0.5	10:35	חול חרסתי כהה	0.8		אין	לא	
K11-9	1.0	10:37	חול חרסתי כהה	0.6		אין	לא	
K11-9	2.0	10:40	חול חרסתי כהה	0.4		אין	לא	
K11-9	3.0	10:41	חרסית כהה שנהב	0.5		אין	לא	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/20	17.0	19.0	0.0

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באויר	0.0	√
8:30	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20			
מהדורה מס': 02		טופס: בדיקת ממצאי שדה	
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 3 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה דוב- תל אביב תאריך דיגום: 25/3/20 שם הדוגם: מיקן דרור חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: GeoPROBE

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K11-9	4.0	6:43	חרסית אדומה.	0.5	0.7	אין	יש	
K11-9	4.5	10:45	חרסית אפורה.	0.6		אין	יש	
K11-5	0.5	12:00	חול חרסיתי עם אבנים	0.7	0.6	אין	יש	
K11-5	1.0	12:01	חול חרסיתי כהה	0.6		אין	יש	
K11-5	2.0	12:06	חול חרסיתי כהה	0.9	0.7	אין	יש	
K11-5	3.0	12:07	חרסית שמנה בצבע שחור	1.2		אין	יש	
K11-12	0.5	12:10	חול חרסיתי בצבע כהה	0.4	0.6	אין	יש	
K11-12	1.0	12:11	חרסית חולית בצבע חום	0.6		אין	יש	
K11-12	2.0	12:15	חרסית חולית עם אבנים	1.4	1.0	אין	יש	
K11-12	3.0	12:17	חול חרסיתי בצבע כהה	1.6		אין	יש	

תאריך תפוגת הכיול	טמפ': C° (בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/9/20	12.0	19.0	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:30	כיול ב- באויר	0.0	√
8:30	כיול באמצעות גז	97.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20			
מהדורה מס': 02		טופס: בדיקת ממצאי שדה	
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 4 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה דב אבים תאריך דיגום: 25/3/20 שם הדוגם: מ'ר חתימה: מ'ר

מס' סקר חוזה: _____ . ציוד הקידוח: GeoPROBE

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K11-15	0.5	12:20	חול תרסיתי רבוב	0.5	0.9	אין	יש	
K11-15	1.0	12:21	חול תרסיתי כהה עם אבנים	0.6		אין	יש	
K11-15	2.0	12:25	חול תרסיתי כהה	0.9	0.6	אין	יש	
K11-15	3.0	12:27	חול תרסיתי רבוב	1.2		אין	יש	
K11-10	0.5	12:30	תרסיתחולית מונח מילוי	0.6	0.4	אין	יש	
K11-10	1.0	12:32	חול תרסיתי עם מצע	0.4		אין	יש	
K11-10	2.0	12:36	חול תרסיתי	0.3	0.2	אין	יש	
K11-10	3.0	12:38	תרסית חולית	0.4		אין	יש	
K11-13	0.5	12:40	תמרה – חול אדמדם רבוב	0.2	0.5	אין	יש	
K11-13	1.0	12:42	תרסית עם חולית בהירה	0.3		אין	יש	
K11-13	2.0	12:47	חול תרסיתי רבוב	0.3		אין	יש	
K11-13	3.0	12:49	חול תרסיתי רבוב	0.3		אין	יש	

תאריך תפוגת הכיול	טמפ': C° (בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/24	17	19.0	0.0

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באויר	0.0	√
8:30	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית לחסמכות מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20			
מהדורה מס': 02		טופס: בדיקת ממצאי שדה	
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 5 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה קדם-אילן תאריך דיגום: 25/3/20 שם הדוגם: מיכן חתימה: מיכן

מס' סקר חוזה: _____ . ציוד הקידוח: GeoProBe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K11-23	0.5	12:51	חול חרסיתי עם מעט מצע	0.8	0.6	אין	יש	
K11-23	1.0	12:53	חרסית חולית וכורכר כהה	0.7		אין	יש	
K11-23	2.0	12:55	חמרה - אדמה חומה וכורכר	0.4		אין	יש	
K11-23	3.0	12:57	חרסית חולית ולחה	0.7		אין	יש	
K11-22	0.5	13:00	חול יבש וכורכר בהיר	0.5	0.4	אין	יש	
K11-22	1.0	13:02	חול יבש וכורכר בהיר	0.7		אין	יש	
K11-22	2.0	13:05	חרסית שמנה / חולית וכורכר	0.6		אין	יש	
K11-22	3.0	13:07	חרסית חולית בהירה ורקובית	0.4	0.3	אין	יש	
K11-11	0.5	13:10	חול חרסיתי בצבע חום	0.5		אין	יש	
K11-11	1.0	13:12	חול חרסיתי בצבע חום	0.7		אין	יש	
K11-11	2.0	13:15	חרסית חולית	0.9	0.8	אין	יש	
K11-11	3.0	13:18	חרסית חולית ורקובית	0.8		אין	יש	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/3/24	17	19.0	0.0

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:30	כיול ב- באויר	0.0	√
8:30	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 02			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 6 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: אזרח דר - גן אביב תאריך דיגום: 25/3/20 שם הדוגם: יניב חתימה: [illegible]

מס' סקר חוזה: _____ ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K11-16	0.5	13:20	תמרה - חול חרסית כהה אפר	0.6		אין	יש	
K11-16	1.0	13:22	חול חרסית כהה	0.5		אין	לא	
K11-16	2.0	13:25	חרסית חולית	[illegible]		אין	לא	
K11-16	3.0	13:28	חרסית חולית			אין	לא	
K-1117	0.5	13:41	חול כהה עם מעט	0.4		אין	לא	
K11-17	1.0	13:46	חול כהה עם מעט	0.5		אין	לא	
K11-17	2.0	13:49	חול יבש בצבע אפור	0.8		אין	לא	
K11-17	3.0	13:51	חול חרסיתי בצבע אפור כהה	0.4		אין	לא	
K11-18	0.5	13:54	תמרה - חול חרסיתי אדמדם	0.3		אין	לא	
K11-18	1.0	13:57	חרסית חולית כהה	0.6		אין	לא	
K11-18	2.0	13:59	חרסית חולית כהה	0.9		אין	לא	
K11-18	3.0	14:07	קרקע חולית	1.2		אין	יש	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/3/24	17.0	19.0	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: T-114310 תאריך ביצוע הכיול: 24.11.2019, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
7:30	כיול ב- באויר	0.0	√
8:30	כיול באמצעות גז	98.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אדיטלן רפא
שם אתר דיגום:	שדה דוב - תל אביב
כתובת האתר:	שדה דוב - תל אביב
תאריך הדיגום:	25/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ , תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 1 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) ___
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: גיקן דוד
חתימת הדוגם: _____
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המע

שם המשלם: אדיטלן רפא האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: גיל גיר האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה: _____
טלפון: _____
הערות לבדיקות הנדרשות: _____ לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: _____.
תוצאות המעבדה יועברו בפקס: _____.
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה.
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמ☐ בינ☐ עמ☐

*מס סידורי רץ (A,B)	משמורת																											
11																												
12																												
13																												
14																												
15																												
16																												
17																												
19																												
19																												
110																												
111																												
112																												

זיהוי בק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מודד ב-מ' חנוף -ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפון פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גיבל גיבל	עופרת	ציאנידים				
K11-24	0.5	9:40	5			0.4	X		X											
K11-24	1.0	9:41	5			0.8														
K11-24	2.0	9:45	5			1.0														
K11-24	3.0	9:46	5			0.9	X													
K11-19	0.5	9:51	5			2.1	X		X											
K11-19	1.0	9:52	5			0.6														
K11-19	2.0	9:55	5			0.3														
K11-19	3.0	9:57	5			0.1	X													
K11-20	0.5	10:02	5			5.9	X		X											
K11-20	1.0	10:04	5			5.2														
K11-20	2.0	10:09	5			0.6														
K11-20	3.0	10:10	5			0.2	X													

SP

SP

חתימת הדוגם: _____ . נמסר ע"י: _____	
תאריך: 25/3/20 שעה: 11:00	

משרדי KTE
שם המאחסן: מרינה מקום אחסון: יקנעם
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירמות קרקע מזוהמת או החשודה בזיהום ודיגום מורדא"
כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO3 ; 3.1,ויילים, 3. : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☑ , לא בהסמכה _____ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך 25/3/20 . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: GEOPROBE
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: 26/3/20 . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

אמנם אילנית KTE

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אחלה בר
שם אתר דיגום:	שדה דוב - תל אביב
כתובת האתר:	שדה דוב - תל אביב
תאריך הדיגום:	25/3/20 מס סקר חוזה: 25
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה 10.6 Ev):T-114310 . תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 2 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)____
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: אריאל בן 18
חתימת הדוגם: _____
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המע

שם המשלם: אחלה בר בס"ו האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: אריאל 18 האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה: _____
טלפון: _____
הערות לבדיקות המדרשות: _____ לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: _____
תוצאות המעבדה יועברו בפקס: _____
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמ[ ] בינ[ ] עמ[ ]

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכ ב -מ' חנוף -ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גדל גרגר	עופרת	ציאנידים				משמורת	*מס סידורי ר"ן (A,B)
K11-21	0.5	10:12	5			1.3	X		X												J13
K11-21	1.0	10:13	5			3.1															J14
K11-21	2.0	10:17	5			4.5															J15
K11-21	3.0	10:18	5			3.0	X														J16
K11-14	0.5	10:21	5			4.7	X		X												J17
K11-14	1.0	10:22	5			4.5															J18
K11-14	2.0	10:24	5			3.4															J19
K11-14	3.0	10:27	5			0.7	X														J20
K11-9	0.5	10:35	5			0.8	X		X												J21
K11-9	1.0	10:37	5			0.6															J22
K11-9	2.0	10:40	5			0.4															J23
K11-9	3.0	10:41	5			0.5	X														J24

SP
SP

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____ .מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחסירה, דיגום עירומות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO3 ; 3.1,ויילים. 3.3 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: [ ], לא בהסמכה: [ ] (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: מיכל רוזן
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דגימות קרקע – תיעוד ודרישות אנליזה

דף 3 מתוך 6

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה ארשר ע"י המנכ"ל:

סמן האם סוף דו"ח (√)

סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

שם הלקוח:	אקלים רמלה
שם אתר דיגום:	שדה דוד- תל אביב
כתובת האתר:	שדה דוד- גן לוי אשדוד
תאריך הדיגום:	25/3/22 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____. תאריך: _____. חתימה: _____. שעה: _____	

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המע

שם המשלם: אקלים רמלה האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: גיל 058-5[illegible] האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות הנדרשות: לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דוחפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משורר מפלס מי תהום:
נמ☐ בינ☐ עמ☐

*מס סידורי רץ (A,B)	משמורת																												
125																													
126																													
127																													
128																													
129																													
130																													
131																													
132																													
133																													
134																													
135																													
136																													

זיהוי נק' הדיגום. ע"פ בקשת מומין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכ ב-מ' חנוף -ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפון פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	נחל גרגר	עופרת	ציאנידים				
K11-9	4.0	10:43	5			0.5														
K11-9	4.5	10:45	5			0.6	X													
K11-5	0.5	12:0	5			0.7	X		X											
K11-5	1.0	12:01	5			0.6														
K11-5	2.0	12:06	5			0.9														
K11-5	3.0	12:07	5			1.2	X													
K11-12	0.5	12:10	5			0.4	X		X											
K11-12	1.0	12:11	5			0.6														
K11-12	2.0	12:15	5			1.4														
K11-12	3.0	12:17	5			1.6	X													

חתימת הדוגם _____. נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____. מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____. *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנמילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות להפירה, דיגום עיימות קרקע מזוהמת או החשודה בזיהום ודיגום מורדא"

כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1.: צנצנת עם HNO_3 ; 3.ויילים,3.1. : Nacl(תמיסת מלח), 3.2. : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☑, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____. הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____. השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: geoprobe
תאריך תחילת האחסון: _____. שעה: _____. תאריך סיום האחסון: _____. שעה: _____, תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אקרולוג בע"מ
שם אתר דיגום:	שדרות 22 - תל אביב
כתובת האתר:	שדרות 22 - תל אביב
תאריך הדיגום:	25/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה:Ev 10.6):T-114310 . תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע + תיעוד ודרישות אנליזה
דף 4 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: מיכאל כהן
חתימת הדוגם: _____
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המע

שם המשלם: אקרולוג בע"מ	האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: _____	האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה: _____	
טלפון: _____	
הערות לבדיקות הנדרשות: _____	לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: _____
תוצאות המעבדה יועברו בפקס: _____
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך ☐ בינוני ☐ עמוק ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכ ב -מ' חנוף -ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפון פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גדל גרגר	עופרת	ציאנידים				משמורת	*מס סידורי ריק (A,B)
K11-15	0.5	12:20	5			0.5	X		X												J36
K11-15	1.0	12:21	5			1.0															J37
K11-15	2.0	12:25	5			2.0															J38
K11-15	3.0	12:27	5			3.0	X														J39
K11-10	0.5	12:30	5			0.5	X		X												J40
K11-10	1.0	12:32	5			1.0															J41
K11-10	2.0	12:36	5			2.0															J42
K11-10	3.0	12:38	5			3.0	X														J43
K11-13	0.5	12:40	5			0.5	X		X												J44
K11-13	1.0	12:42	5			1.0															J45
K11-13	2.0	12:47	5			2.0															J46
K11-13	3.0	12:49	5			3.0	X														J47

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____ .מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירומת קרקע מזוהמת או החשודה בזיהום ודיגום מורדא"
כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1. : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
נא לסמן האם הדיגום נעשה בהסמכה: ☒, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה: דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: Geoprobe
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	איקונוס בע"מ
שם אתר דיגום:	שדה בר - אל אריה
כתובת האתר:	שדה בר - אל אריה
תאריך הדיגום:	25/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310 . תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 5 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)____
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: מיקי
חתימת הדוגם: מיקי
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המע

אין להעתיק חלקים מטופס זה: ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משתנה מפלס מי תהום:
נמוך ☐ בינ ☐ עמ ☐

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: _____
תוצאות המעבדה יועברו בפקס: _____
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

שם המשלם: הרצל נס ציונה האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: הרצל נס ציונה האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה: _____
טלפון: _____
הערות לבדיקות הנדרשות: _____ לשימוש המעבדה האנליטית בלבד

*מס סידורי ריק (A,B)	משמורת																								
J48														X		X	0.8			5	12:51	0.5	K11-23
J49																	0.7			5	12:53	1.0	K11-23
J50																	0.4			5	12:55	2.0	K11-23
J51																X	0.7			5	12:57	3.0	K11-23
J52														X		X	0.5			5	13:00	0.5	K11-22
J53																	0.7			5	13:02	1.0	K11-22
J54																	0.6			5	13:05	2.0	K11-22
J55																X	0.4			5	13:07	3.0	K11-22
J56														X		X	0.5			5	13:10	0.5	K11-11
J57																	0.7			5	13:12	1.0	K11-11
J58																	0.9			5	13:15	2.0	K11-11
J59																X	0.8			5	13:17	3.0	K11-11

זיהוי גק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכ ב-מ' חנוף -ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפון פגום.
K11-23	0.5	12:51	5		
K11-23	1.0	12:53	5		
K11-23	2.0	12:55	5		
K11-23	3.0	12:57	5		
K11-22	0.5	13:00	5		
K11-22	1.0	13:02	5		
K11-22	2.0	13:05	5		
K11-22	3.0	13:07	5		
K11-11	0.5	13:10	5		
K11-11	1.0	13:12	5		
K11-11	2.0	13:15	5		
K11-11	3.0	13:17	5		

PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	נחושת	עופרת	ציאנידים															

עדים לנטילת הדוג'
שם:
חתימה:

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

משרדי KTE
שם המאחסן: _____ .מקום אחסון: _____
האחראי על מקום האחסון

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירומות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"
כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.יוילים,3.1. : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה: דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: Geoprobe
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: מיכל
חתימת הדוגם: מיכל
כתובת הארגון: המגינים 53 חיפה, 35265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דגימות קרקע – תיעוד ודרישות אנליזה
דף 6 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) √
סוג מכשיר הקידוח:-Geoprobe

דוגם מוסמך מעבדה 395

שם הלקוח:	אקולוג בע"מ
שם אתר דיגום:	שדה דב תל אביב
כתובת האתר:	שדה דב 10 אושבוע
תאריך הדיגום:	25/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:23/11/2020	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

ISRAC הרשות הלאומית להסמכת מעבדות ISO/IEC 17025:2017 No. 395 מס'

*בדה. ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המע

שם המשלם: אקולוג בע"מ האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: גיל האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות הנדרשות: לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך בינוני עמוק

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	שעת הדיגום	כלי הדיגום	מורכ ב -מ' חטף -ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה.2.לא התקבל או טופל בפרק הזמן הדרוש.3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גידל גרגר	עופרת	ציאנידים				משמורת	*מס סידורי רץ (A,B)
K11-16	0.5	13:20	5			0.6	X		X												J60
K11-16	1.0	13:22	5			0.5															J61
K11-16	2.0	13:25	5			לחות															J62
K11-16	3.0	13:28	5			לחות	X														J63
K11-17	0.5	13:41	5			0.4	X		X												J64
K11-17	1.0	13:46	5			0.5															J65
K11-17	2.0	13:49	5			0.8															J66
K11-17	3.0	13:51	5			0.4	X														J67
K11-18	0.5	13:54	5			0.3	X		X												J68
K11-18	1.0	13:57	5			0.6															J69
K11-18	2.0	13:59	5			0.9															J70
K11-17	3.0	14:01	5			1.2	X														J71

חתימת הדוגם _____ . נמסר ע"י: _____
תאריך: _____ שעה: _____

משרדי KTE
שם המאחסן: _____ .מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירימות קרקע מזוהמות או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1. : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☑ , לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להג"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה: דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: 980906
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	גן/ל
שם אתר דיגום:	גיל רר
כתובת האתר:	גיל רר
תאריך הדיגום:	25/3/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_ תפוגת הכיול:12/2019	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 1 מתוך 1
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) ✓
סוג מכשיר הקידוח:-Geoprobe

טופס שרשרת משמורת- COC

מוסמך מעבדה 395

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה:395
שם הדוגם: עירון בן/ל
חתימת הדוגם: עירון בן/ל
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kie.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: גן/ל
איש קשר לתשלום:
חברה:
טלפון:
הערות לבדיקות הנדרשות:
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS אנליטיק
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נהול רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משורר מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חנוך - ח'	תעד הריגות: 1. לא נשמרה כנדרש מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפון פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום 6+	גדל גרגר							משמורת	*מס סידורי ר"ן (A,B)
K11.19	0.5	5	9:30				X		X													
K11.20	0.5	5	10:42				X		X													
K11.21	0.5	5	10:32				X															
K11.14	0.5	5	10:29				X															

חתימת הדוגם עירון בן/ל נמסר ע"י:
תאריך: 25/3/20 שעה: 16:00

משרדי KTE
שם המאחסן: ניר ל"ו מקום אחסון: מקרר
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום : _____

נא לסמן האם הדיגום נעשה בהסמכה : ☒ , לא בהסמכה : ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד : _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להג"ס מתאריך : _____

שם מאשר דו"ח טופס המשמורת : (חתימה + חותמת) _____ תאריך 25/3/20 . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא : _____

תאריך תחילת האחסון : 25/3/20 . שעה : _____ . תאריך סיום האחסון : 26/3/20 . שעה : _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises	טפסים מעבדה 395
טופס מס': KTE –F20	
מהדורה מס': 03	טופס: בדיקת ממצאי שדה
תקף מתאריך: 29/01/2020 מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ חתימה:
עמוד 1 מתוך 5	אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה דוד- לוי אשכול תאריך דיגום: 29/6/20 שם הדוגם: עמרן דולב חתימה:

מס' סקר חוזה: ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
KGW14-4	0.5	9:15	חול בם בהיר רטוב	5.8		אין	יש	
KGW14-4	1.0	9:16	חול בם בהיר רטוב	3.9		אין	יש	
KGW14-4	2.0	9:18	חול בם בהיר רטוב	5.3		אין	יש	
KGW14-4	3.0	9:19	חרסית חולית, אפורה, שמנית	4.2		אין	יש	הגרה למים
KGW14-3	0.5	9:22	חול בם בהיר רטוב	0.2		אין	יש	
KGW14-3	1.0	9:23	חול בם בהיר רטוב	0.2		אין	יש	
KGW14-3	2.0	9:25	חול בם בהיר רטוב	1.2		אין	יש	
KGW14-3	3.0	9:26	חרסית חולית ואפורה, שומנית	0.4		אין	יש	הגרה למים
KGW14-2	0.5	9:30	חול חרסיני, חום כהה, נקבוביות אחורות	0.4		אין	יש	
KGW14-2	1.0	9:31	חול חרסיני, חום כהה, נקבוביות אחורות	0.4		אין	יש	מעל אוביקן
KGW14-2	2.0	9:33	חול חרסיני, בהיר רטוב	1.2		אין	יש	
KGW14-2	3.0	9:34	חול חרסיתי אפור רטוב	1.9		אין	יש	הגרה למים

תאריך תפוגת הכיול	טמפ': C° (בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/26	29.5	27.2	0.0

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: 115284 תאריך ביצוע הכיול: 16/11/19, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)

שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באוויר	0.0	√
9:00	כיול באמצעות גז	19.4	

- בצע הזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises	טפסים מעבדה 395
טופס מס': KTE –F20	
מהדורה מס': 03	טופס: בדיקת ממצאי שדה
תקף מתאריך: 29/01/2020 מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ חתימה:
עמוד 2 מתוך 5	אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל חתימה:

דוגם מוסמך מעבדה 395

שם האתר: רוה דב תאריך דיגום: 24/6/20 שם הדוגם: מיכל דגיגי חתימה:

מס' סקר חוזה: ציוד הקידוח: GeoProbe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
KGW14-5	0.5	10:00	חול עם רטוב, בהיר, חרסיתי	1.0		אין	יש	
KGW14-5	1.0	10:01	חול עם רטוב, בהיר	0.7	1.0	אין	יש	
KGW14-5	2.0	10:03	חול עם בהיר, רטוב	2.9	2.7	אין	יש	
KGW14-5	3.0	10:04	חול עם בהיר רטוב	0.6	0.6	אין	יש	הוצה נמין
KGW14-1	0.5	10:06	חול חרסיתי, בצבע חום+ חומר עילוי	1.0	1.2	אין	אין	
KGW14-1	1.0	10:07	חול עם נקי, בהיר לח	2.3	2.3	אין	יש	
KGW14-1	2.0	10:09	חול חרסיתי רטוב בהה	1.7	1.7	אין	יש	
KGW14-1	3.0	10:10	חול חרסיתי רטוב בהה	1.6	1.5	אין	יש	הוצה נמיק
KGW11-4	0.5	11:20	חול עם, מעט בהה + מעט אבנים	0.1	0.1	אין	יש	
KGW11-4	1.0	11:21	חול עם מעט בהה, לח	0.3		אין	יש	
KGW11-4	2.0	11:23	חול עם בוץ + אבנים	0.5		אין	אין	
KGW11-4	3.0	11:24	חול חרסיתי בהה, רטוב	0.4		אין	יש	

באוויר השטח הפתוח PIDתעד קריאת	טמפ': C° (סוף היום)	טמפ': C°(בתחילת היום)	תאריך תפוגת הכיול
0.0	27.8	29.5	27/4/24

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: תאריך ביצוע הכיול: 16/1/19, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באוויר	0.0	√
9:00	כיול באמצעות גז	19.4	

- בצע הזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכות מעבדות
ISO/IEC 17025:2005
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises	טפסים מעבדה 395
טופס מס': KTE –F20	
מהדורה מס': 03	טופס: בדיקת ממצאי שדה
תקף מתאריך: 29/01/2020 מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ חתימה:
עמוד 3 מתוך 5	אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל חתימה:

דוגם מוסמך מעבדה 395

שם האתר: אדה 23 תאריך דיגום: 24/6/20 שם הדוגם: אייל חתימה: [illegible]

מס' סקר חוזה: _____ ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
KGW11-4	4.0	11:30	חרסית שחור וריבית בגוון חום כהה	0.6		אין	יש	
KGW11-1	0.5	11:58	חול חרסיתי חום כהה	0.4		אין	יש	
KGW11-1	1.0	11:59	חול בם בהיר רטוב	1.2		אין	יש	
KGW11-1	2.0	12:01	חול חרסיתי כהה	2.5		יש	יש	ריח חריף
KGW11-1	3.0	12:02	חרסית אבנה, אפורה, ריח חריף לא	3.4		יש	יש	מגיב אל נלק
KGW11-2	0.5	13:50	חול חרסיתי חום כהה	0.2		אין	יש	
KGW11-2	1.0	13:51	חול חרסיתי חום כהה	0.1		אין	יש	
KGW11-2	2.0	13:54	חומר מילוי חולי	0.3		אין	יש	
KGW11-2	3.0	13:55	חרסית חיוורת וקונית	1.2		אין	יש	הגדה לחיים
KGW11-6	0.5	13:58	חול חרסיתי חום כהה, ריח טרפנ	0.6		אין	יש	
KGW11-6	1.0	13:59	חול בם בהיר	0.2		אין	יש	
KGW11-6	2.0	14:02	חומר שלמי חולי	0.2		אין	אין	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/24	29.5	27.8	0.0

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: _____ תאריך ביצוע הכיול: 15/11/19, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)

שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
5:00	כיול ב- באוויר	0.0	√
7:00	כיול באמצעות גז	99.4	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכות מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises	טפסים מעבדה 395	
טופס מס': KTE –F20		
מהדורה מס': 03	טופס: בדיקת ממצאי שדה	
תקף מתאריך: 29/01/2020 מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 4 מתוך 5	אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: עזה רב תאריך דיגום: 24/6/20 שם הדוגם: איזן לוטן חתימה:

מס' סקר חוזה: ציוד הקידוח: GeoProb

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
HGW11-6	3.0	14:03	חול חרסיתי, חום בהיר, רטוב	4.0		אין	יש	
HGW11-3	0.5	14:10	חול חרסיתי בהיר, מעט אבנים	0.1		אין	יש	
HGW11-3	1.0	14:11	חול חרסיתי בהיר לח, מעט אבנים	0.6		אין	יש	
HGW11-3	2.0	14:13	חמר עילי בהיר	0.7		אין	אין	
HGW11-3	3.0	14:14	חול חרסיתי בהה, רטוב	1.2		אין	יש	
HGW11-5	0.5	14:16	חול חרסיתי בהיר, לח	0.2		אין	יש	ריח ס קלי
HGW11-5	1.0	14:17	חול חרסיתי בהה, לח	0.3		אין	יש	ריח ס קלי
HGW11-5	2.0	14:19	חול חרסיתי רטוב, בהה	0.2		יש	יש	מעט ריח דלק
HGW11-5	3.0	14:20	חרסית חמה מעל חול	0.5		יש	יש	ריח חריף
HGW11-7	0.5	14:22	חול יבש - מעט לח - בהיר	0.4		אין	יש	
HGW11-7	1.0	14:23	חול יבש בהיר	0.2		אין	יש	
HGW11-7	2.0	14:25	חול חרסיתי - בהה	0.3		אין	יש	

באוויר השטח הפתוח PIDתעד קריאת	טמפ': C° (סוף היום)	טמפ': C°(בתחילת היום)	תאריך תפוגת הכיול
0.0	27.8	29.5	27/4/24

שם המכשיר PPM: DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: תאריך ביצוע הכיול: 16/11/19, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)

שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באויר	0.0	√
9:00	כיול באמצעות גז	99.4	

- בצע הזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises	טפסים מעבדה 395
טופס מס': KTE –F20	
מהדורה מס': 03	טופס: בדיקת ממצאי שדה
תקף מתאריך: 29/01/2020 מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ חתימה:
עמוד 5 מתוך 5	אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל חתימה:

דוגם מוסמך מעבדה 395

שם האתר: Sack לי מרכז עסק תאריך דיגום: 24/6/20 שם הדוגם: ניקן מיכאל חתימה: 3/11

מס' סקר חוזה: _____ ציוד הקידוח: Geoprobe

שם הקידוח ומיקומו	עומק דוגמה [m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
KGW11-7	3.0	14:26	חול ים בהיר	0.6		אין	לא	
KGW11-5	2.7	14:19		0.5				

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת
27/4/24	29.5	27.8	0.0

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: _____ תאריך ביצוע הכיול: 16.11.19, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)

שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:00	כיול ב- באוויר	0.0	√
9:00	כיול באמצעות גז	99.4	

- בצע הזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID.
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית להסמכת מעבדות
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שם הלקוח:	אדלר
שם אתר דיגום:	שדה דוד - לוי אשכול
כתובת האתר:	שדה דוד - תל אביב
תאריך הדיגום:	24/6/20 מס סקר דיגום:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6): 115264	תמונת הכיול: 16/11/20
*התקבל ע"י: ____ תאריך: ____ חתימה: ____ שעה: ____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 1 מתוך 5
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) ____
סוג מכשיר הקידוח:-Geoprobe

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: ____
חתימת הדוגם: ____
כתובת הארגון: המגינים 53 חיפה 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דוגם מוסמך מעבדה 395

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: אדלר
איש קשר לתשלום: ____
חברה: ____
טלפון: ____
הערות לבדיקות הנדרשות: ____
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל: ____
תוצאות המעבדה יועברו בפקס: ____
רמת דחיפות קבלת אנליזות (הקף בעיגול): 3 ימי עבודה, 4 ימי עבודה, 5 ימי עבודה, נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להצתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חטף - ח'	תעד הריגות: 1. לא נשמרה בטמפ' מתאימה. 2. לא התקבל או טופל בפרק הזמן הדרוש. 3. התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום 6+	גודל גרגר				משמורת		*מס סידורי רץ (A,B)
TGW14-4	0.5	5	9:15			5.8	X		X											X1
TGW14-4	1.0	5	9:16			3.9												X		X2
TGW14-4	2.0	5	9:18			5.3												X		X3
TGW14-4	3.0	5,31	9:19			4.2	X			X	X									X4
KGW14-3	0.5	5	9:22			0.2	X		X											X5
KGW14-3	1.0	5	9:23			0.2												X		X6
KGW14-3	2.0	5	9:25			1.2												X		X7
KGW14-3	3.0	5,31	9:26			0.4	X			X	X									X8
KGW14-2	0.5	5	9:30			0.4	X		X											X9
KGW14-2	1.0	5	9:31			0.4												X		X10
KGW14-2	2.0	5	9:33			1.2												X		X11
KGW14-2	3.0	5,31	9:34			1.9	X			X	X									X12

עדים לנטילת הדוג'
שם:
חתימה:

התקבל במעבדה ע"י ____ חותמת + חתימה ____ שעה: ____
תאריך: ____ *תעד טמפ' בעת קבלה במעבדה:- ____
*באחריות המעבדה האנליטית.

משרדי KTE
שם המאחסן: ____ מקום אחסון: ____
האחראי על מקום האחסון

חתימת הדוגם ____ נמסר ע"י: ____
תאריך: 24/6/20 שעה: ____

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמות או החשודה בזיהום ודיגום מוודא"

כלי הדיגום: 1. שרוול קרקע, 2. צנצנת 0.5 ליטר 2.1. צנצנת עם HNO_3 ; 3.1. ויילים, 3.2. מתנול, 3.3. קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת Nacl (תמיסת מלח), 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית חום כהה 1 ליטר 7.1. בקבוק זכוכית חום כהה 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: ____

נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות), במידה וזוהו חריגות נא לתעד: ____. הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנת הסביבה מתאריך: ____

שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) ____ תאריך 24/6/20. השיטה: דיגום קרקע, דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: ____

תאריך תחילת האחסון: ____ שעה: 24/6/20. תאריך סיום האחסון: 25/6/20 שעה: ____, תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

KTE מעבדות

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אחוזות בר
שם אחר דיגום:	שדה זב
כתובת האתר:	שדה זב עין איבל
תאריך הדיגום:	24/6/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):	תפוגת הכיול:
*התקבל ע"י:	תאריך: התימה: שעה:

דגימות קרקע – תיעוד הדגימות אנליזה
דף 2 מתוך 5
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח:-Geoprobe

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: מירן ריטס
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: אחוזות	האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום:	האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:	
טלפון:	
הערות לבדיקות הנדרשות:	לעיפרש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רגיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

*מס' סידורי רץ (A,B)	משמורת																																		
X13																																			
X14	X																																		
X15	X																																		
X16																																			
X17	X																																		
X18																																			
X19	X																																		
X20																																			
X21																																			
X22	X																																		
X23	X																																		
X24	X																																		

PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	ברום 6+	גדל גרגר	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפן פגום.	מורכב -מ' חטף - ח'	שעת הדיגום	כלי הדיגום	עומק (מטר)	זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה
1.0	X		X								10:00	5	0.5	KGW14-5
0.7											10:01	5	1.0	KGW14-5
2.9											10:03	5	2.0	KGW14-5
0.6	X			X	X						10:04	5,31	3.0	KGW14-5
1.0											10:06	5	0.5	KGW14-1
2.3	X		X								10:07	5	1.0	KGW14-1
1.7											10:09	5	2.0	KGW14-1
1.6	X			X	X						10:10	5,31	3.0	KGW14-1
0.1	X		X								11:20	5	0.5	KGW11-4
0.3											11:21	5	1.0	KGW11-4
0.5											11:23	5	2.0	KGW11-4
0.4											11:24	5	3.0	KGW11-4

חתימת הדוגם:	נמסר ע"י:
תאריך:	שעה:

משרדי KTE
שם המאחסן: מקום אחסון:
האחראי על מקום האחסן

התקבל במעבדה ע"י חותמת + חתימה שעה :
תאריך: *תעד טמפ' בעת קבלה במעבדה:-
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO3 ; 3.ויילים,3.1 : NaCl(תמיסת מלח), 3.2 : מתנול, 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☒, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להג"ס מתאריך: _____

שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: Geoprobe

תאריך תחילת האחסון: _____ שעה: _____ . תאריך סיום האחסון: _____ שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אקונ"ל בע"מ
שם אתר דיגום:	גדה
כתובת האתר:	גדה רח' ירמוך
תאריך הדיגום:	24/6/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):	, תפוגת הכיול:
*התקבל ע"י:	, תאריך: , חתימה: , שעה:

דגימות קרקע – תיעוד ודגימות אנליזה

דף 3 מתוך 3

מהדורה מס': 04

תקף מתאריך: 5/8/2019

KTE - F 19

טופס זה אושר ע"י המנכ"ל:

סמן האם סוף דו"ח (√)

סוג מכשיר הקידוח:-Geoprobe

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.

מס' הסמכה:: 395

שם הדוגם: מיכל דיל

חתימת הדוגם:

כתובת הארגון: המגינים 53 חיפה, 33265

טלפון: 04-8553343

פקס: 04-8553317

מייל: gil@kte.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם:	האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום:	האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:	
טלפון:	
הערות לבדיקות הנדרשות:	לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ALS

תוצאות המעבדה יועברו במייל:

תוצאות המעבדה יועברו בפקס:

רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.

בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה

הצהרה: טופס זה מתייחס רק לפריטים שנדגמו

גובה משוער מפלס מי תהום:

נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חטף - ח'	תעד הריגות: 1. לא נשמרה בטמפ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפון פגום	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גדל גרגר				משמורת		*מס סידורי רץ (A,B)
KGW11-4	4.0	5,31	11:30			0.6	X			X	X									X25
KGW11-1	0.5	5	11:56			0.4	X		X											X26
KGW11-1	1.0	5	11:59			1.2												X		X27
KGW11-1	2.0	5	12:01			2.3												X		X28
KGW11-1	3.0	5,32	12:02			3.4	X			X	X									X29
KGW11-2	0.5	5	13:50			0.2	X		X											X30
KGW11-2	1.0	5	13:51			0.1												X		X31
KGW11-2	2.0	5	13:54			0.3												X		X32
KGW11-2	3.0	5,31	13:55			1.2	X			X	X									X33
KGW11-6	0.5	5	13:51			0.6	X		X											X34
KGW11-6	1.0	5	13:59			0.2												X		X35
KGW11-6	2.0	5	14:02			0.2												X		X36

חתימת הדוגם	, נמסר ע"י:
תאריך:	שעה:

משרדי KTE

שם המאחסן: , מקום אחסון:

האחראי על מקום האחסון

התקבל במעבדה ע"י	חותמת + חתימה: שעה:
תאריך:	, *תעד טמפ' בעת קבלה במעבדה:-

*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'

שם:

חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עריסות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"

כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. צנצנת עם HNO_3 ; 3.ויילים,3.1. Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☒, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות- נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____

שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: Geoprobe

תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפ

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	שמעון כרמ"ל
שם אתר דיגום:	נדיר זב
כתובת האתר:	אבא זב לוי אבנול
תאריך הדיגום:	24/6/20 מס סקר חוזה:
שם איש הקשר:	גיל נ'
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):	תפוגת הכיול:
*התקבל ע"י:	תאריך: חתימה: שעה:

דגימות קרקע – תיעוד ודרישות אנליזה
דף 4 מתוך 5
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח:-Geoprobe

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ן טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: מיכל בוטל
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: אבנול
איש קשר לתשלום
חברה:
טלפון:
הערות לבדיקות הנדרשות: לשימוש המעבדה האנליטית בלבד
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא

שם המעבדה האנליטית המבצעת את הבדיקות: ALS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

דיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חטף - ח'	תעד חריגות: 1. לא נשמרה בסמ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום 6+	גדל גרגר						משמורת		*מס סידורי רץ (A,B)
MGW11-6	3.0	5,37	14:03			4.0	X			X	X											X37
MGW11-3	0.5	5	14:10			0.1	X		X													X38
MGW11-3	1.0	5	14:11			0.6														X		X39
MGW11-3	2.0	5	14:13			0.7														X		X40
MGW11-5	3.0	5,37	14:14			1.2	X			X	X											X41
MGW11-5	0.5	5	14:16			0.2	X		X													X42
MGW11-5	1.0	5	14:17			0.3														X		X43
MGW11-5	2.0	5	14:19			0.2														X		X44
MGW11-5	3.0	5,37	14:20			0.5	X			X	X											X45
MGW11-7	0.5	5	14:22			0.4	X		X													X46
MGW11-7	1.0	5	14:23			0.2														X		X47
MGW11-7	2.0	5	14:25			0.3														X		X48

תחימת הדוגם נ. נמסר ע"י:
תאריך: שעה:

משרדי KTE
שם המאחסן: מקום אחסון:
האחראי על מקום האחסון

התקבל במעבדה ע"י: חותמת + חתימה: שעה :
תאריך: *תעד טמפ' בעת קבלה במעבדה:-
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמת או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1 : Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☒, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: Geoprob
תאריך תחילת האחסון: _____ שעה: _____ . תאריך סיום האחסון: _____ שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח: אירגון רש"ן
שם אתר דיגום: ברכה בוק-לוי אשתל
כתובת האתר: קרי אשתל-יתד אקיר
תאריך הדיגום: 24/6/20 | מס סקר חוזה:
שם איש הקשר:
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר
מס' PID (סוג הנורה Ev 10.6): . תפוגת הכיול:
*התקבל ע"י: . תאריך: . חתימה: . שעה:

דגימות קרקע – תיעוד ודרישות אנליזה
דף 5 מתוך 5
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) √
סוג מכשיר הקידוח: Geoprobe-

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ן טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: אבי
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: סוקר לוי
איש קשר לתשלום:
חברה:
טלפון:
הערות לבדיקות הנדרשות:
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: ACS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים ממופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי נק' הדיגום, ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חטף - ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה. 2.לא התקבל או טופל במרק הזמן הדרוש. 3.התקבל באפן פגום	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גודל גרגר					משמורת	*מס סידורי ריק (A,B)
MG-W11-7	3.0	5,37	14:26			0.6	X			X	X								X	X49
MG-W11-5	2.7	5,31,32	14:19			0.5														X50

חתימת הדוגם: . נמסר ע"י:
תאריך: שעה:

משרדי KTE
שם המאחסן: . מקום אחסון:
האחראי על מקום האחסון

התקבל במעבדה ע"י חותמת + חתימה שעה :
תאריך: . *תעד ממפ' בעת קבלה במעבדה:-
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמות או החשודה בזיהום ודיגום מוודא"

כלי הדיגום : 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.1,ויילים, 3. Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☑, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות,נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנת הסביבה מתאריך: _____

שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____

תאריך תחילת האחסון: _____ שעה: _____ . תאריך סיום האחסון: _____ שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
מס' 395 No.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 03			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 1 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: אדרה רב תאריך דיגום: 30/7/20 שם הדוגם: איקה פז חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: _____

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K4-45	0.5	9:40	חול חרסיתי בצבע חום כהה	0.0		אין	אין	
K4-45	1	9:42	חרסית חולית בצבע חום	0.0	0.8	אין	אין	
K4-45	2	9:45	חול בהיר	0.1		אין	אין	
K4-45	3	9:47	חול כורכר	0.1		אין	אין	
K4-45	4	9:49	— " —	0.0	0.2	אין	אין	
K4-45	5	9:51	חול כורכר בהיר	0.0		אין	יש צבועה	
K4-53	0.5	10:00	חרסית קצת חולית בצבע חום	0.1		אין	אין	
K4-53	1	10:02	— " —	0.2		אין	אין	
K4-53	2	10:04	חול כורכר	0.2		אין	אין	
K4-53	3	10:06	— " —	0.4		אין	אין	
K4-53	4	10:08	— " —	0.5		אין	יש צבועה	
K4-53	5	10:10	חול כורכר, בצבע אפור, מלא פיח סולר	25.4	26.2	יש סולר	יש צבועה	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: 115264 תאריך ביצוע הכיול: 16/11/19, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:15	כיול ב- באוויר	0.1	
9:15	כיול באמצעות גז	97.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 03			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 2 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2005
No. 395 מס'

דוגם מוסמך
מעבדה 395

שם האתר: שדה ד"ר תאריך דיגום: 30/7/20 שם הדוגם: גיתאי סלע חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: GeoProb

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K4-41	0.5	10:15	חרסית חולית	2.3		אין	אין	
K4-41	1	10:17	— " —	1.9		אין	אין	
K4-41	2	10:19	חול בהיר	1.4	2.3	אין	אין	
K4-41	3	10:22	חול עם דבק אדמדם	1.6		אין	אין	
K4-41	4	10:24	— " —	1.6		אין	אין	
K4-41	5	10:26	חול כורכר! מצוקה!	5.1		יש	יש	
K4-52	0.5	10:30	חרסית חולית	0.2				
K4-52	1	10:32	— " —	1.9	2.5			
K4-52	2	10:34	— " —	6.7				
K4-52	3	10:36	חול סובל בית פיאבלים	5.1		יש כימי	אין	
K4-52	4	10:40	חול כורכר מצוקה דבק אבור	291	290.2	יש אלל	יש אזבסט	
K4-52	5	10:45	— " —	56.3		יש אלל	יש אזבסט	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: _____ תאריך ביצוע הכיול: _____, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
8:15	כיול ב- באוויר	0.1	
8:15	כיול באמצעות גז	97.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 03			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 3 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025
מס' No. 395

דוגם מוסמך
מעבדה 395

שם האתר: שדה דוב תאריך דיגום: 30/7/20 שם הדוגם: דיקאי סבל חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: _____

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K4-51	0.5	11:00	חרסית חולית עם גיהוב כפלגיות	5.06	57.2	אין	אין	
K4-51	1	11:02	— " —	99.9		אין	אין	
K4-51	2	11:05	— " —	176		אין	אין	
K4-51	3	11:10	— " —	99.4		אין	אין	
K4-51	4	11:13	חול דבר חרסית עם רית גירים	408.1		יש	יש	
K4-51	5	11:15	חול כורכר בבסיס בחור	44.2		אין	יש	
K4-46	0.5	11:20	חרסית חולית	0.6		אין	אין	
K4-46	1	11:25	— " —	0.0		אין	אין	
K4-46	2	11:29	— " —	0.9	1.2	אין	אין	
K4-46	3	11:32	— " —	42.8		אין	אין	
K4-46	4	11:35	חרסית שמנה רית של סולר	276.1		יש	יש	
K4-46	5	11:40	חול כורכר אפור ריח של סולר	43.9	94.2	יש	יש	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: _____ תאריך ביצוע הכיול: _____, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:15	כיול ב- באוויר	0.1	
9:15	כיול באמצעות גז	97.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 03			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 4 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדה בוקר תאריך דיגום: 30/7/20 שם הדוגם: דימיטרי סרל חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: GeoProb

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K4-49	0.5	11:42	חול חרסיתי	35.0	35.4	יש	אין	
K4-49	1	11:45	— " —	182		יש	אין	
K4-49	2	11:48	— " —	322		יש	אין	
K4-49	3	11:52	— " —	407.2	402.1	יש	אין	
K4-49	4	11:58	חול אבן מגרדת	364.4		יש	יש	
K4-49	5	12:10	— " —	35.1		יש	יש	
K4-25	0.5	12:30	חרסית חולית	15.4		יש	יש	
K4-25	1	12:35	— " —	14.1	13.7	יש	יש	
K4-25	2	12:38	— " —	12.6		יש	יש	
K4-25	3	12:42	— " — ריח חזק של דלקן	32.2		יש	יש	
K4-25	4	12:45	חרסית חולית אבן גיר	111.8		יש	יש	
K4-25	5	12:48	חול כורכר וחרסית	20.6		יש	יש	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: _____ תאריך ביצוע הכיול: _____, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:15	כיול ב- באוויר	0.1	
9:15	כיול באמצעות גז	97.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025
מס' No. 395

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20			
מהדורה מס': 03		טופס: בדיקת ממצאי שדה	
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 5 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדרות רוקח תאריך דיגום: 30/7/20 שם הדוגם: רימון חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: _____

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת הוצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K4-29	0.5	12:50	חרסית חולית	9.2	8.7	אין	יש	
K4-29	1	13:00	— " —	8.7		יש	יש	
K4-29	2	13:05	חולית אפורה	230.5		יש	יש	
K4-29	3	13:10	חרסית חולית	365	367.7	יש	יש	
K4-29	4	13:15	חרסית כהה	339		יש	יש	
K4-29	5	13:18	— " —	233		יש	יש	
K4-24	0.5	13:25	חול בורבר בצבע חום	0.5		יש	אין	
K4-24	1	13:30	— " —	1.3		יש	אין	
K4-24	2	13:33	חרסית חולית אפורה	9.8		אין	אין	
K4-24	3	13:37	חרסית שמנה אפורה מצוהמת	127		יש	יש	
K4-24	4	13:40	— " —	299.3	300	יש	יש	
K4-24	5	13:45	— " —	224		יש	יש	

תאריך תפוגת הכיול	טמפ': C°(בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת

שם המכשיר PPM :DATA LOGGER+, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: _____ תאריך ביצוע הכיול: _____, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:15	כיול ב- באוויר	0.1	
9:15	כיול באמצעות גז	97.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F20		טופס: בדיקת ממצאי שדה	
מהדורה מס': 03			
תקף מתאריך: 29/01/2020	מחליף את: 24/06/2018	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 6 מתוך 6		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שם האתר: שדרות רק תאריך דיגום: 30/7/20 שם הדוגם: גיא מרי 620 חתימה:

מס' סקר חוזה: _____ . ציוד הקידוח: _____

שם הקידוח ומיקומו	עומק דוגמה[m]	שעת התצאת הדגימה	תיאור חתך הקרקע	PID[ppm]	PID*[ppm] (%20)	ריח (יש/אין)	לחות (יש/אין)	הערות
K4-50	0.5	13:50	חרסית חולית חומה	2.5		אין	אין	
K4-50	1	13:53	חרסית שחורה שחורה	0.0	0.0	אין	אין	
K4-50	2	13:59	— " —	0.6		אין	אין	
K4-50	3	14:00	חרסית שחורה מצוהבת חומה	0.0	[redacted]	יש	אין	
K4-50	4	14:05	חרסית חולית אפורה מצוהבת	204		יש	יש	
K4-50	5	14:08	— " —	195	194 [redacted]	יש	יש	
K4-20	0.5	14:15	חרסית חולית	0.0		אין	אין	
K4-20	1	14:20	— " —	0.0		אין	אין	
K4-20	2	14:25	חול צהוב	0.2		אין	אין	
K4-20	3	14:29	— " —	0.1		אין	אין	
K4-20	4	14:35	חרסית רטובה אפורה ומצוהבת	65.3	65.7	יש	יש	
K4-20	5	14:40	— " —	9.5		יש	יש	

תאריך תפוגת הכיול	טמפ': C° (בתחילת היום)	טמפ': C° (סוף היום)	באוויר השטח הפתוח PIDתעד קריאת

שם המכשיר PPM :+DATA LOGGER, סוג: טייגר, מוצר: ION-SCIENCE, מס סידורי: _____ תאריך ביצוע הכיול: _____, שם מבצע הכיול: עמוס גזית

כייל את המכשיר עם ISOBUTYLENE (הדרישות לקבלת תוצאות הכיול: 100ppm±10%)			
שעת הכיול	סוג הכיול	תוצאת הכיול (ppm)	סמן √ לאישור ביצוע ניקוי הציוד
9:15	כיול ב- באויר	0.1	
9:15	כיול באמצעות גז	97.5	

- בצע חזרה ופצל 20% מהדגימות ל-2 שקיות ובצע קריאת PID .
- תעד את כלי האחסון של לקיחת הדוגמא (הקף בעיגול): שקית 50 מיקרון/ צנצנת זכוכית/ צנצנת פלסטיק.

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אורנלוג
שם אתר דיגום:	שדה יבנה
כתובת האתר:	אלי אושרוב 11
תאריך הדיגום:	מס סקר חוזה:
שם איש הקשר:	מיכאל
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):	תפוגת הכיול:
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 1 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנב"ל:
סמן האם סוף דו"ח (√) ___
סוג מכשיר הקידוח: Geoprobe-

דגם טיסת 395 מעבדה מאוד

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: גיל
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: אורנלוג — האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: — האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות הנדרשות: — לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: AIS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גרבה משורר מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

*מס טידורי רץ (A,B)	משמורת																								
AA1													X		X	0.0			9:40	3	0.5	K4-45
AA2																0.0			9:42	3	1	K4-45
AA3																0.1			9:45	5.3,2	2	K4-45
AA4																0.1			9:47	3	3	K4-45
AA5																0.0			9:49	3	4	K4-45
AA6															X	0.0			9:51	3	5	K4-45
AA7													X		X	0.1			10:00	3	0.5	K4-53
AA8																0.2			10:02	3	1	K4-53
AA9																0.2			10:04	3	2	K4-53
AA10																0.4			10:06	3	3	K4-53
AA11																0.5			10:08	3	4	K4-53
AA12												X	X		X	25.4			10:10	3.2	5	K4-53

PID (ppm)	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באופן פגום.	מורכב -מ' חשוף - ח'	שעת הדיגום	כלי הדיגום	עומק (מטר)	דיגומי בק' הדיגום. ע"פ בקשת מזמין העבודה

חתימת הדוגם: _____ נמסר ע"י: _____
תאריך: 30/7/20 שעה: 16:00

משרדי KTE
שם המאחסן: _____ מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עריסות קרקע מזוהמות או החשודה בזיהום ודיגום מוודא"

כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. ; צנצנת עם HNO3 , 3.ויילים,3.1. ; Nacl(תמיסת מלח), 3.2. ; מתנול. 3.3. ; קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה. 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☒, לא בהסמכה: ☐ (הרשות להסמכת מעבדות), במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להג"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך 30/7/20 . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה::395
שם הדוגם: גיל כ"ץ
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דגימות קרקע – תיעוד ודרישות אנליזה
דף 2 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח:-Geoprobe

שם הלקוח:	
שם אתר דיגום:	קרקע
כתובת האתר:	לוד
תאריך הדיגום:	30/7/20 מס סקר הזזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):	תפוגת הכיול:
*התקבל ע"י:	תאריך: . חתימה: . שעה:

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות הנדרשות: לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: AIS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רגישות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מודכב -מ' חטף - ח'	תעד הריגות: 1. לא נשמרה בטמפ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום 6+	גריל גרגר						משמורת	*מס סידורי רץ (A,B)
K4-41	0.5	3	10:15			2.3	X		X												AA15
K4-41	1	3	10:17			1.9															A4
K4-41	2	3	10:19			1.4															A5
K4-41	3	3	10:22			1.6															A6
K4-41	4	3	10:24			1.6															A2
K4-41	5	3.2	10:26			5.7	X			X	X										A8
K4-52	0.5	3	10:30			0.2	X		X												A9
K4-52	1	3	10:32			1.9															A0
K4-52	2	3	10:34			6.3															A1
K4-52	3	3	10:36			5.7															A6
K4-52	4	3.2	10:40			2.91	X			X	X										A3
K4-52	5	9	10:45			56.3	X														A4

חתימת הדוגם: . גמסר ע"י:
תאריך: שעה:

משרדי KTE
שם המאחסן: .מקום אחסון:
האחראי על מקום האחסון

התקבל במעבדה ע"י חותמת + חתימה שעה :
תאריך: . *תעד טמפ' בעת קבלה במעבדה:-
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירומות קרקע מזוהמות או החשודה בזיהום ודיגום מודדא"

כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1. :Nacl(תמיסת מלח), 3.2. : מתנול. 3.3. : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר. 7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להג"ס מתאריך: _____

שם מאשר דו"ח טופס המשמורת : (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____

תאריך תחילת האחסון: _____. שעה: _____. תאריך סיום האחסון: _____. שעה: _____, תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17020:2012
No. 395 מס'

שם הלקוח:	
שם אתר דיגום:	
כתובת האתר:	
תאריך הדיגום:	מס סקר חחה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6): _____ . תפוגת הכיול:	
*התקבל ע"י: _____ . תאריך: _____ . חתימה: _____ . שעה: _____	

דגימות קרקע – תיעוד ודרישות אנליזה
דף 3 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח: Geoprobe-

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: דיאנה סלע
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו בציג המעבדה.

שם המשלם: אקולוג
איש קשר לתשלום:
חברה:
טלפון:
הערות לבדיקות הנדרשות:
האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות:
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה:
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי בק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חטף - ח'	תעד חריגות: 1. לא נשמרה בממ' מתאימה. 2.לא התקבל או מופל בפרק הזמן הדרוש. 3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גודל גרגר						משמורת	*מס סידורי רץ (A,B)
K451	0.5	5.3.2	11:50			506	X		X												A75
K4-51	1	53	11:02			29.9															26
K4-51	2	53	11:05			116															27
K4-51	3	53	11:10			99.4															28
K4-51	4	53	11:13			408.1	X			X	X										29
K4-51	5	53	11:15			44.2	X														30
K4-46	0.5	53	11:20			0.6	X		X												31
K4-46	1	53	11:25			0.0															32
K4-46	2	53	11:31			0.9															33
K4-46	3	53	11:32			42.8															34
K4-46	4	53.32	11:35			296.1	X			X	X										35
K4-46	5	59	11:40			93.9	X														36

חתימת הדוגם _____ . נמסר ע"י: _____	
תאריך: _____ שעה: _____	

KTE משרדי
שם המאחסן: _____ .מקום אחסון: _____
האחראי על מקום האחסון

התקבל במעבדה ע"י _____ חותמת + חתימה _____ שעה : _____
תאריך: _____ . *תעד טמפ' בעת קבלה במעבדה:- _____
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עירמות קרקע מזרהמות או החשודה בזיהום ודיגום מוידא"

כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1 : צנצנת עם HNO_3 ; 3.ויילים,3.1 :Nacl(תמיסת מלח), 3.2 : מתנול. 3.3 : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר. 7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להג"ס מתאריך: _____

שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____

תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: ג'אנקי
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דגימות קרקע – תיעוד ודרישות אנליזה
דף 4 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח: Geoprobe-

שם הלקוח:	
שם אתר דיגום:	אגן 13
כתובת האתר:	רח' ירושלים
תאריך הדיגום:	30/7/20 מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):	. תפוגת הכיול:
*התקבל ע"י:	. תאריך: . חתימה: . שעה:

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות הדרישות: לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: Als
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דוחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה	עומק (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חטף - ח'	תעד חריגות: 1. לא נשמרה באמפ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גודל גרגר							משמורת	*מס סידורי רץ (A,B)
K4-49	0.5	5	11:40			35.0	X		X													AA37
K4-49	1	5	11:45			182																38
K4-49	2	5	11:48			322																39
K4-49	3	5	11:52			401.2	X			X	X											40
K4-49	4	5/3.2	11:58			364.4																41
K4-49	5	5	12:10			35.1	X															42
K4-25	0.5	5	12:30			15.4	X		X													43
K4-25	1	5	12:35			14.1																44
K4-25	2	5	12:38			12.6																45
K4-25	3	5	12:41			32.2																46
K4-25	4	5/3.2	12:45			119.8				X	X											47
K4-25	5	5	12:48			20.6	X															48

חתימת הדוגם: . נמסר ע"י:
תאריך: שעה:

משרדי KTE
שם המאחסן: .מקום אחסון:
האחראי על מקום האחסון

התקבל במעבדה ע"י: חותמת + חתימה: שעה :
תאריך: . *תעד טמפ' בעת קבלה במעבדה:-
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עיימות קרקע מזוהמת או החשודה בזיהום ודיגום מודאא"
כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. : צנצנת עם HNO_3 ; 3.ויילים,3.1. : Nacl(תמיסת מלח), 3.2. : מתנול. 3.3. : קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר.7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____
נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: רימאי
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דגימות קרקע – תיעוד ודרישות אנליזה
דף 5 מתוך 1
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√)
סוג מכשיר הקידוח: Geoprobe-

שם הלקוח:	אקרון
שם אתר דיגום:	אזור 22
כתובת האתר:	גל' אשקלון
תאריך הדיגום:	מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):	תפוגת הכיול:
*התקבל ע"י:	תאריך: תחימה: שעה:

ISRAC הרשות הלאומית להסמכת מעבדות ISO/IEC 17025:2017 No. 395 מס'

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: אקרון האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות ובדרישות: לשימוש המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: אלס
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רשיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפרישים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

דיגמי בק' הדיגום. ע"פ בקשת מזמין העבודה	שרטוט (מטר)	כלי הדיגום	שעת הדיגום	מורכב -מ' חשף - ח'	תעד חריגות: 1. לא נשמרה בטמפ' מתאימה. 2.לא התקבל או טופל בפרק הזמן הדרוש. 3.התקבל באפן פגום.	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום 6+	גריל גרגר						משמורת	*מס סידורי רץ (A,B)
K4-29	0.5	5'	12:50			9.2	X		X												A149
K4-29	1	5	13:00			8.7															50
K4-29	2	5	13:05			230.5															51
K4-29	3	5/3.7	13:10			365	X			X	X										52
K4-29	4	5	13:15			339															53
K4-29	5	5	13:19			233	X														54
K4-24	0.5	5	13:25			0.5	X		X												55
K4-24	1	5	13:30			1.3															56
K4-24	2	5	13:33			9.8															57
K4-24	3	5	13:37			127															58
K4-24	4	5/3.7	13:40			299.3				X	X										59
K4-24	5	5	13:45			224	X														60

תחימת הדוגם רימאי. נמסר ע"י:
תאריך: 30/7/20 שעה:

משרדי KTE
שם המאחסן: מקום אחסון:
האחראי על מקום האחסון

התקבל במעבדה ע"י חותמת + חתימה שעה :
תאריך: *תעד טמפ' בעת קבלה במעבדה:-
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום עריסות קרקע מזוהמת או החשודה בזיהום ודיגום מודאא"

כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר, 2.1. ; צנצנת עם HNO3 ; 3.1.ויילים, 3.2. (תמיסת מלח), Nacl 3.3. מתנול. 3.3. קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר. 7.1. בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____

שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____

תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

שם הלקוח:	אי הולדינג
שם אתר דיגום:	אפרי בע
כתובת האתר:	גוי אושכוז
תאריך הדיגום:	מס סקר חוזה:
שם איש הקשר:	
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):	תפוגת הכיול:
*התקבל ע"י:	תאריך: . חתימה: . שעה:

דגימות קרקע – תיעוד ודרישות אנליזה
דף 6 מתוך 6
מהדורה מס': 04
תקף מתאריך: 5/8/2019
KTE - F 19
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) V
סוג מכשיר הקידוח: Geoprobe-

טופס שרשרת משמורת- COC

ארגון דוגם: ד"ר כ"ץ טכנולוגיות.
מס' הסמכה: 395
שם הדוגם: רימון סגל
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

*ימולא במקרה שהדגימה נמסרה לאדם שאינו נציג המעבדה.

שם המשלם: אי הולדינג האם הקידוח בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
איש קשר לתשלום: האם הדיגום בוצע ע"י קבלן משנה: (הקף בעיגול) כן/לא
חברה:
טלפון:
הערות לבדיקות הנדרשות: לשרשרת המעבדה האנליטית בלבד

שם המעבדה האנליטית המבצעת את הבדיקות: AIS
תוצאות המעבדה יועברו במייל:
תוצאות המעבדה יועברו בפקס:
רמת דחיפות קבלת אנליזות (הקף בעיגול) : 3 ימי עבודה , 4 ימי עבודה , 5 ימי עבודה , נוהל רגיל.
בדיקות נדרשות + % רטיבות

אין להעתיק חלקים מטופס זה ללא אישור המעבדה
הצהרה: טופס זה מתייחס רק לפריטים שנדגמו
גובה משוער מפלס מי תהום:
נמוך: ☐ בינוני: ☐ עמוק: ☐

מס' סידורי רץ (A,B)	משמורת																							
AA 60																								
62																								
63																								
64																								
65																								
67																								
67																								
68																								
69																								
70																								
71																								
72																								

מס' סידורי רץ (A,B)	PID (ppm)	TPH DRO/ORO	TPH GRO	ICP	SVOC	VOC	pH	כרום +6	גרגיל גרגיר	מורכב -מ' חטוף - ח'	שעת הדיגום	כלי הדיגום	עומק (מטר)	זיהוי נק' הדיגום. ע"פ בקשת מזמין העבודה
AA 60	2.5	X		X							13:50	5	0.5	K4-50
62	0.0										13:53	5	1	K4-50
63	0.6										13:59	5	2	K4-50
64	0.0										14:00	5	3	K4-50
65	204				X	X					14:05	5/3.2	4	K4-50
67	195	X									14:08	5	5	K4-50
67	0.0	X		X							14:15	5	0.5	K4-20
68	0.0										14:20	5	1	K4-20
69	0.2										14:25	5	2	K4-20
70	0.1										14:29	5	3	K4-20
71	65.3	X			X	X					14:35	5/3.2	4	K4-20
72	9.5	X									14:40	5	5	K4-20

תאריך הדיגום: . נמסר ע"י:
תאריך: שעה:

משרדי KTE
שם המאחסן: . מקום אחסון:
האחראי על מקום האחסון

התקבל במעבדה ע"י: חותמת + חתימה שעה :
תאריך: . *תעד טמפ' בעת קבלה במעבדה:-
*באחריות המעבדה האנליטית.

עדים לנטילת הדוג'
שם:
חתימה:

תנאים מטראולוגיים:(הקף בעיגול) יום גשום/ מעונן/ קיצי תעד טמפ':

הדיגום מבוצע בהתאם להנחיות המעודכנות ביותר של המשרד להגנת הסביבה "הנחיות מקצועיות לביצוע סקר קרקע", "הנחיות מקצועיות לחפירה, דיגום ערימות קרקע מזוהמת או החשודה בזיהום ודיגום מורדא"

כלי הדיגום: 1. שרוול קרקע, 2.צנצנת 0.5 ליטר,2.1. ; צנצנת עם HNO_3 , 3.ויילים,3.1. Nacl(תמיסת מלח), 3.2. ; מתנול. 3.3. ; קרקע נקייה 2 גרם+ תמיסת מלח (TB). 4. צנצנת פלסטיק, 5. צנצנת זכוכית שקופה, 6. צנצנת זכוכית כהה, 7. בקבוק זכוכית חום כהה 1 ליטר. 7.1 בקבוק 1 ליטר + מים. הערות כלליות לגבי אתר הדיגום: _____

נא לסמן האם הדיגום נעשה בהסמכה: ☐, לא בהסמכה: ☐ (הרשות להסמכת מעבדות) , במידה וזוהו חריגות נא לתעד: _____ . הדיגום בוצע לפי תוכנית דיגום מאושרת ע"י המשרד להגנ"ס מתאריך: _____
שם מאשר דו"ח טופס המשמורת: (חתימה+ חותמת) _____ תאריך _____ . השיטה : דיגום קרקע/ דיגום מערום/ דיגום בור חפיר. תעד ציוד נטילת הדוגמא: _____
תאריך תחילת האחסון: _____ . שעה: _____ . תאריך סיום האחסון: _____ . שעה: _____ , תנאי האחסון (הקף בעיגול) צידנית/ מקרר/מקפיא

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F-2-SG		טופס: שרשרת משמורת לדיגום גז קרקע	
מהדורה מס': 01			
תקף מתאריך: 29/8/2019	מחליף את:	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 1 מתוך 1		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שרשרת משמורת לדיגום גז קרקע אקטיבי –

דף 1 מתוך

נתונים כלליים:
תאגון הדוגם: ד"ר כ"ץ טכנולוגיות
מס הסמכה: 395
שם הדוגם: איתן ויגיל
חתימת הדוגם:

זיהוי וכתובת אתר הדיגום: מיקם 18-212 רמת גן. תאריך תפוגת כיול מכשיר הביו גז: 27/4/24
מס' מכשיר PID: T-114310, תאריך תפוגת כיול PID: 12/2019 מס' מכשיר ביוגז: ARMC-0184
תאריך הדיגום: 27/4/20 שם איש קשר:
מס' סקר חוזה:
שינויים והערות:

TO- 15 1 ppbv	קריאת PID (בסיס הדיגום)	וואקום in/hg בסיום	שעת סיום	וואקום in/hg בהתחלה	שעת התחלה	בדיקת IPA	משך זמן שאיבת השטיפה (דקות)	ספיקת המשאבה ml/min	Shut In Test לחץ (איטי/ כספית) מ- עד-	בדיקת פרמבליות (לחץ יציב)	עומק מטר	מס' מד ואקום	מס' קניסטר	Probes מיקום הפרוב
	0.1	4	10:00	28	9:50	✓	10	200	75-74	0.0	1.5	0A00314	15500935	56-13-10
	0.1	4	10:40	27	10:30	✓	10	200	7.5-7.3	0.0	1.5	0A00607	15600008	56-15-1
	0.3	4	11:20	28	11:11	✓	10	200	7.5-7.4	0.0	1.5	0A00084	1550988	56-15-30
	0.2	4	11:47	29	11:40	✓	10	200	7.5-7.3	0.0	1.5	0A01818	15001343	56-15-21
	0.1	5	12:58	27	12:50	✓	10	200	7.5-7.5	0.0	1.5	0A01395	15001311	56-15-18
	0.0	5	13:47	28	13:40	✓	10	200	7.5-7.2	0.0	1.5	0A01885	15500900	56-15-36
	0.1	5	14:25	29	14:17	✓	10	200	7.5-7.4	0.0	1.5	0A01210	15500507	56-14-6
	0.1	4	14:59	27	14:51	✓	10	200	7.5-7.4	0.0	1.5	0A02005	15600373	56-6-10

נא לסמן את הבקרות שנעשו: דוגמת חזרה (Duplicate): ☐ בלאנק ציוד (חומרים) (Equipment Blank): ☐ בלאנק רקע (Air Blank) ☒ ספליט ☐

נמסר למעבדה: ע"י: _____ (חתימה) _____ תאריך: _____ שעה: _____ התקבל במעבדה: ע"י: _____ (חתימה) _____ תאריך: _____ שעה: _____

נא לסמן האם הדיגום נעשה: בהסמכה: ☑ לא בהסמכה: ☐ (הרשות הלאומית להסמכת מעבדות). טמפרטורה באתר(C°): 19.1 לחות באתר(%): _____ לחץ ברומטרי(hpa): _____

- **מעל לחץ ברומטרי של Hpa 1025** –אין לבצע דיגום. רק לאחר שבוצעו 50% מהדיגומים באותו היום בצע בלנק חומרים.

שעת כיול מכשיר PID	סוג הכיול	תוצאת הכיול (PPM)	תאריך ביצוע כיול:
9.00	כיול באויר	0.0	שם מבצע הכיול: איתן ויגיל
9:00	כיול באמצעות גז	99.7	חתימת מבצע הכיול:

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F-2-SG		טופס: שרשרת משמורת לדיגום גז קרקע	
מהדורה מס': 01			
תקף מתאריך: 29/8/2019	מחליף את:	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 1 מתוך 1		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

דוגם מוסמך
מעבדה 395

שרשרת משמורת לדיגום גז קרקע אקטיבי –

דף 1 מתוך _____

נתונים כלליים:
הארגון הדוגם: ד"ר כ"ץ טכנולוגיות
מס הסמכה: 395
שם הדוגם: עידן דוידי
חתימת הדוגם: _____

זיהוי וכתובת אתר הדיגום: שדה 18-213 שדרות
תאריך תפוגת כיול מכשיר הביו גז: 27/4/21
מס' מכשיר PID: T-114310, תאריך תפוגת כיול PID: 12/2019
מס' מכשיר ביוגז: ARMC-0184
תאריך הדיגום: 24/4/20 שם איש קשר: _____
מס' סקר חוזה: _____
שינויים והערות: _____

TO- 15 1 ppbv	קריאת PID (בסיום הדיגום)	וואקום in/hg בסיום	שעת סיום	וואקום in/hg בהתחלה	שעת התחלה	בדיקת IPA	משך זמן שאיבת השטיפה (דקות)	ספיקת המשאבה ml/min	Shut In Test לחץ (איבד/ כספית) מ- עד-	בדיקת פרמבליות (לחץ יציב)	עומק מטר	מס' מד ואקום	מס' קניסטר	Probes מיקום הפרוב
	0.2	5	15:35	28	15:27	✓	10	200	7.5-7.6	0.0	1.5	0A01699	15500896	SG-6-13
												0A01544	15C00133	AB

נא לסמן את הבקרות שנעשו: דוגמת חזרה (Duplicate): ☐ בלאנק ציוד (חומרים) (Equipment Blank): ☐ בלאנק רקע (Air Blank) ☐ ספליט ☐

נמסר למעבדה: ע"י: _____ (חתימה) _____ תאריך: _____ שעה: _____ התקבל במעבדה: ע"י: _____ (חתימה) _____ תאריך: _____ שעה: _____

נא לסמן האם הדיגום נעשה: בהסמכה: ☑ לא בהסמכה: ☐ (הרשות הלאומית להסמכת מעבדות). טמפרטורה באתר(C°): _____ לחות באתר(%): _____ לחץ ברומטרי(hpa): _____

- **מעל לחץ ברומטרי של Hpa 1025** –אין לבצע דיגום. רק לאחר שבוצעו 50% מהדיגומים באותו היום בצע בלנק חומרים.

שעת כיול מכשיר PID	סוג הכיול	תוצאת הכיול (PPM)	תאריך ביצוע כיול:
9:00	כיול באויר	0.0	שם מבצע הכיול: עידן דוידי
9:00	כיול באמצעות גז	99.7	חתימת מבצע הכיול:

ISRAC
הרשות הלאומית
להסמכת מעבדות
ISO/IEC 17025
No. 395 מס'

KTE Co. Dr. G. Katz- Technologies & Enterprises		טפסים מעבדה 395	
טופס מס': KTE –F-2-SG		טופס: שרשרת משמורת לדיגום גז קרקע	
מהדורה מס': 01			
תקף מתאריך: 29/8/2019	מחליף את:	נכתב ע"י: אייל שוורץ	חתימה:
עמוד 1 מתוך 1		אושר ע"י: ד"ר גיל כ"ץ, מנכ"ל	חתימה:

דוגם מוסמך מעבדה 395

שרשרת משמורת לדיגום גז קרקע אקטיבי –

דף 1 מתוך 1

נתונים כלליים:
הארגון הדוגם: ד"ר כ"ץ טכנולוגיות
מס הסמכה: 395
שם הדוגם: מיכאל
חתימת הדוגם:

זיהוי וכתובת אתר הדיגום: שדה אליעזר 18-21 . תאריך תפוגת כיול מכשיר הביו גז: 27/4/24
מס' מכשיר PID: T-114310, תאריך תפוגת כיול PID: 12/2019 מס' מכשיר ביוגז: ARMC-0184
תאריך הדיגום: 22/4/20 שם איש קשר:
מס' סקר חוזה :
שינויים והערות:

TO- 15 1 ppbv	קריאת PID (בסיום הדיגום)	וואקום in/hg בסיום	שעת סיום	וואקום in/hg בהתחלה	שעת התחלה	בדיקת IPA	משך זמן שאיבת השטיפה (דקות)	ספיקת המשאבה ml/min	Shut In Test לחץ (איטי/ כספית) מ- עד-	בדיקת פרמבליות (לחץ יציב)	עומק מטר	מס' מד ואקום	מס' קניסטר	Probes מיקום הפרוב
	0.0	5	8:13	28	8:06	✓	10	200	7.5-7.4	0.0	1.5	0A00626	15C00227	SG2-1
	0.0	5	8.49	29	8:37	✓	10	200	7.5-7.5	0.0	1.5	0A02193	15C00045	SG-D-16
	0.0	5	9:29	30	9:23	✓	10	200	7.5-7.3	0.0	1.5	0A00006	15C00014	SG-14-27
	0.0	5	10:54	30	10:44	✓	10	200	7.5-7.4	0.0	1.5	0A00981	15C00895	SG-14-20
	0.0	5	11:30	26	11:24	✓	10	200	7.5-7.5	0.0	1.5	0A00146	15C00375	SG-14-21
	0.0	5	12:10	30	12:00	✓	10	200	7.5-7.4	0.0	1.5	0A00380	15C00104	SG-14-3
	0.0	5	12:45	26	12:37	✓	10	200	7.5-7.2	0.0	1.5	0A00543	15C00847	SG-14-12
												0A00027	15C00158	AB

נא לסמן את הבקרות שנעשו: דוגמת חזרה (Duplicate): ☐ בלאנק ציוד (חומרים) (Equipment Blank): ☐ בלאנק רקע (Air Blank) ☒ ספליט ☐

נמסר למעבדה : ע"י: (חתימה) תאריך: 22/4/20 שעה: 16:00 התקבל במעבדה: ע"י: (חתימה) תאריך: שעה:

נא לסמן האם הדיגום נעשה: בהסמכה : ☑ לא בהסמכה: ☐ (הרשות הלאומית להסמכת מעבדות). טמפרטורה באתר(C°): לחות באתר(%): לחץ ברומטרי(hpa):

- **מעל לחץ ברומטרי של Hpa 1025** –אין לבצע דיגום. רק לאחר שבוצעו 50% מהדיגומים באותו היום בצע בלנק חומרים.

שעת כיול מכשיר PID	סוג הכיול	תוצאת הכיול (PPM)	תאריך ביצוע כיול:
8:00	כיול באויר	0.0	שם מבצע הכיול: מיכאל
8:00	כיול באמצעות גז	98.5	חתימת מבצע הכיול:

נספח 3

טפסי שדה ומשמורת

מי תהום

שם הלקוח:	Ecology
שם אתר דיגום:	שדה דב
כתובת האתר:	
תאריך הדיגום:	12/05/20 מס סקר חוזה:
שם איש הקשר:	אורבל
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310 . תפוגת הכיול:23/11/2020	
שם המעבדה האנליטית המבצעת את הבדיקות:	

ISRAC
הרשות הלאומית
להסמכות מעבדות
ISO/IEC 17025:2017
No. 395 מס'

דגימות **מי תהום** – תיעוד ודרישות אנליזה
דף 1 מתוך 1
מהדורה מס': 04
תקף מתאריך: 01/02/2020
KTE - F21
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) √

טופס בדיקת ממצאי שדה

ארגון דוגם: **ד"ר כ"ק טכנולוגיות**
מס' הסמכה: 395
שם הדוגם: גמיל סלה
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דוגם מוסמך מעבדה 395

שם הבאר: SW-1V **גובה של ראש (מטר):** 0.5 **עומק קידוח (מטר):** 8.5 **עומק פני המים (מטר):** 3.5 **עומק צינור מחורץ (מטר)**

תאריך פיתוח 05/05/20 **נפח שאיבה בפיתוח (ליטר):** 60 **דיגום: עומק פני המים (מטר):** 3.5 **עומק של משאבה (מטר):**

קצב שאיבה (ml/min): 200.0 **נפח שאיבה בפועל (ליטר):** 10.0 **טמפרטורה (C°):** 23.6 **שעת הוצאת הדגימה**

N	שעת מדידה	pH, pH units ±0.1 pH units	EC, µS/sm ±3%	ORD, mV ±10 mV	Turbidity, NTU ±10%, כאשר העכירות גדולה מ-10NTU	DO mg/l ± 0.3 mg/l
1	10:43	7.48	1534.1	-113.0	14.31	0.31
2						
3						
1						
2						
3						
1						
2						
3						

כלי דיגום	חומר	כמות	אנליזות VOC	SVOC	ICP					
צנצנת פלסטיק 1.0 ל	HCl	1			√					
צנצנת זכוכית שקופה 1.0 ל										
צנצנת זכוכית כהה 1.0 ל		1		√						
ויילים 25 מ"ל	HCl	2	√							

1. מצב ראש הקידוח ושלמות פי הצינור + 2. מנעול ראש הקידוח: האם תקין/חסר 3. האם ישנם מים עומדים על גבי הסדימנט בקרקוב הקידוח: כן/לא

4. מצב פקק ראש הקידוח + 5. המלצות לתחזוקת הקידוח

שם הלקוח:	Ecolab
שם אתר דיגום:	שבא 23
כתובת האתר:	
תאריך הדיגום:	06/05/20 מס סקר חוזה:
שם איש הקשר:	מרבל
ייעוד הקרקע: מגורים/ מסחר/תעשייה/חקלאות/ אחר	
מס' PID (סוג הנורה Ev 10.6):T-114310_. תפוגת הכיול:23/11/2020	
שם המעבדה האנליטית המבצעת את הבדיקות:	

ISRAC
הרשות הלאומית להסמכת מעבדות
ISO/IEC 17025:2017
No. 395 מס'

דגימות **מי תהום** – תיעוד וקרישות אנליזה
דף 1 מתוך 1
מהדורה מס': 04
תקף מתאריך: 01/02/2020
KTE - F21
טופס זה אושר ע"י המנכ"ל:
סמן האם סוף דו"ח (√) √

טופס בדיקת ממצאי שדה

ארגון דוגם: **ד"ר כ"ץ טכנולוגיות.**
מס' הסמכה: 395
שם הדוגם: גיל סלו
חתימת הדוגם:
כתובת הארגון: המגינים 53 חיפה, 33265
טלפון: 04-8553343
פקס: 04-8553317
מייל: gil@kte.co.il

דוגם מוסמך מעבדה 395

שם הבאר: SW-11 **גובה של ראש (מטר):** 0.8 **עומק קידוח (מטר):** 10.80 **עומק פני המים (מטר):** 2.9 **עומק צינור מחורץ (מטר)**

תאריך פיתוח 26/04/20 **נפח שאיבה בפיתוח (ליטר):** 36.0 **דיגום: עומק פני המים (מטר):** 2.8 **עומק של משאבה (מטר):**

קצב שאיבה (ml/min): 200 **נפח שאיבה בפועל (ליטר):** 90 **טמפרטורה (C°):** 23.0 **שעת הוצאת הדגימה**

N	שעת מדידה	pH, pH units ±0.1 pH units	EC, µS/sm ±3%	ORD, mV ±10 mV	Turbidity, NTU ±10%, כאשר העכירות גדולה מ-NTU10	DO mg/l ± 0.3 mg/l
1	10:50	7.27	1043.4	66.0	11.79	7.01
2						
3						
1						
2						
3						
1						
2						
3						

כלי דיגום	חומר	כמות	VOC	SVOC	ICP					
			אנליזות							
צנצנת פלסטיק 1.0ל	HCl	1			X					
צנצנת זכוכית שקופה 1.0ל										
צנצנת זכוכית כהה 1.0ל		1		X						
ויילים 25 מ"ל	HCl	2	X							

1. מצב ראש הקידוח ושלמות פי הצינור + 2. מנעול ראש הקידוח: האם תקין/חסר 3. האם ישנם מים עומדים על גבי הסדימנט בקרקוב הקידוח: כן/לא

4. מצב פקק ראש הקידוח + 5. המלצות לתחזוקת הקידוח

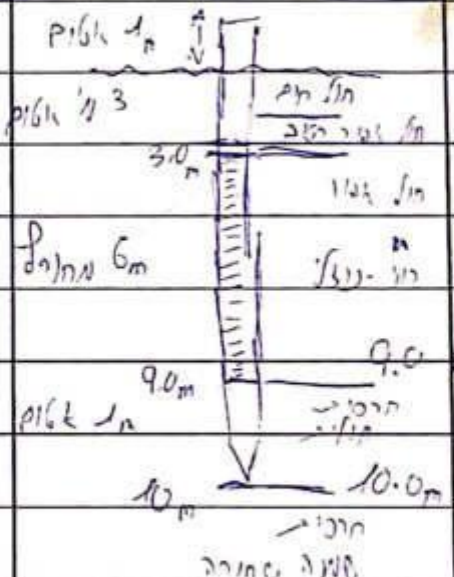
(11/2)

Ecolog Engineering LTD
Field Borehole Log

Date: 31/05/2021

Project Name:	שקה	Borehole Name:	GW-11-1	Location:	כרמיאל	Drill Contractor:	KTE
Project No:		Final Depth (m):	10.0 m	Date Start:	31/05/2021	Supervision:	Ecolog (אבי)
Client:		Water Level (m):		Date Finish:			

Drill Type	Casing	Depth (m)	Material Description	Samples (m)	SPT N I	SPT N II	SPT N III	SPT N Total	Vane Test Tin (kg x m)	Vane Test De (kg x m)	Vane Test Type (cm)	RFC (cm)	RQD (cm)	WR WL
H.S.	1"	0	חול חרס לח, צבע מלוכלך											
8"			שכבה מרכבה קלה (עד 1 cm)	1.5										
H.S.	1"	1.5	חול חרס כהה						צורם	כולו				
8"				2.0					כולה	בעומק				
H.S.	1"	2.0	חול יבש רטוב, מרקם בינוני							2.0 m				
8"			כולו, עם שכבות בדקות	3.0						-5 m				
H.S.	1"	3.0	חול חרסית, יבש, רוח כולו						חרס רם בעומק					
8"			רטוב-נטול עם שכבות בדקות	4.5							5 m			
H.S.	1"	4.5	כהה, בינוני מאוד						בהתחלה חרסית					
8"				4.9					חרסית עם תכלת בעומק					
		9.0	חרסית חלקית יבשה, רכה											
				10.0										



(הקידוח נסתם בגמר כולה)

חול חוף

חול יבש

חול חרסית יבשה

חרסית חלקית

חרסית שונה

Scanned by CamScanner

(2/2)

Ecolog Engineering LTD
Field Borehole Log

Date: 22/04/20

Project Name: שדה קב	Borehole Name: GW-11	Location: שדה קב	Drill Contractor: ATE
Project No:	Final Depth (m): 10.0m	Date Start: 21/04/20	Supervision: Ecolog (יוגל)
Client: המברה לייבוי סביבה	Water Level (m):	Date Finish: 23/04/20	

Drill Type	Casing (m)	Depth (m)	Material Description	Samples (m)	SPT N I	SPT N II	SPT N III	SPT N Total	Vane Test Un (kg x m)	Vane Test De. (kg x m)	Vane Test Type (cm)	REC (cm)	R.Q.D (cm)	WR/WL
			יום 1:											
8"			הקידוח הוצרה לאחר כיסוי התקנת צינור תבפית יום הקודם לבן.											
11.5	↑	0	בבוקר הקידוח חוצרת עד לעומק 7.5 מ' לפני יציאת חומר	7.5										
8"	↓													
14.5	↑	7.5	חול חרסית, יבש, נוקשה ומסריח מטלר											
8"				9.0										
		10	חרסית חלבית, אבנה רבה מאוד עם ריח של סולר	10.0										
			הוכנס ניסיון הכנסת צינור תבפית 3" אולם אך הצינור נתקע בתיק הם hollow stream בהקדוח עולה הצינור תלול											
			יום 2:											
			בוצע הקידוח מתוכנית של הקידוח, יקוי והכנסת צינור תבפית מלא כולל חדרת כ-500 לטר מים מתוקים לקידוח											
			1m עומק											
			3m עומק											
			6m מתוקן											
			1m עומק											

Scanned by CamScanner

[redacted]

Ecolog Engineering LTD

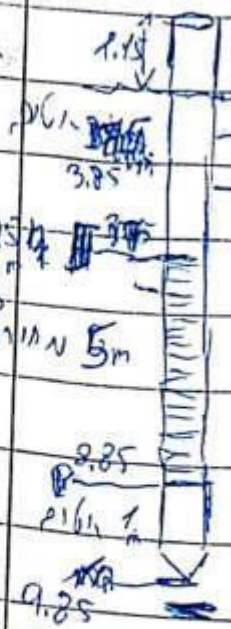
Date: 22/04/20

Project Name:	שקד קב	Borehole Name: GW-14-1	Location: בקטור 24	Drill Contractor: KTE	
Project No:		Final Depth (m): 10.0m	Date Start: 22/04/20	Supervision: Ecolog (Zafrir)	
Client:		Water Level (m):	Date Finish: 23/04/20		

Drill Type	Casing	Depth (m)	Material Description	Samples (m)	SPT N I	SPT N II	SPT N III	SPT N Total	Vane Test Un (kg x m)	Vane Test De (kg x m)	Vane Test Type (cm)	REC (cm)	R.Q.D (cm)	WR WL
H.S.	↑	0	יח 1: חול חם										חול	0m
3"	↓			2.5							2.5		חול	
H.S.	↑	2.5	חול יבש רטוב, רמת סלע חצץ										חול + רמת סלע	
3"	↓			3.0							3.0		אבן גיר	
H.S.	↑	3.0	חול שחור לח, לפי רמת סלע										חול שחור לח	
3"	↓			5.0							5.0m			
H.S.	↑	5.0	חול שחור יבש רוי: רמת הלס מגיע עד סלע/לפי רמת נשברי כורכר ובזלת קטנים										חול שחור רטוב	
3"	↓			10.0							10.0m			

יום 1:

יום 2: הנמשך הקידוח על בעזרת שק 3" ,לפני שמגיעים הכפר מים לקידוח



מדידת מפלס מי תהום בסיום הקידוח בעזר הצפרי:

מידה הבינוי 4.04m

מול פני הקרקע 2.79m

(*) 1.85m של סרטוטים בתחתית 3-נוה הצפרי

סה"כ הקדחת 3 נוה הצפרי

מפני הקרקע

5m - אטום

5m - מתורל

1m - אטום

נספח 4

תוצאות מלאות לניטור

מי תהום

בארות GW-11

GW-14

תקן מי שתיה(1)	שם הבאר ותאריך דיגום		יחידות מידה	סף הכימות (LOR)	פרמטר
	GW-14	GW-11			
	12/05/2020	06/05/2020			
			מתכות		
0.2	0.053	**0.227**	mg/L	0.01	Aluminium
0.006	<0.010	<0.010	mg/L	0.01	Antimony
0.01	<0.0050	<0.0050	mg/L	0.005	Arsenic
1	0.0418	0.062	mg/L	0.0005	Barium
0.004	<0.00020	<0.00020	mg/L	0.0002	Beryllium
NA	<0.010	<0.010	mg/L	0.01	Bismuth
1	0.124	0.13	mg/L	0.01	Boron
0.005	<0.00040	<0.00040	mg/L	0.0004	Cadmium
NA	79.8	58.7	mg/L	0.005	Calcium
0.05	0.0013	0.0031	mg/L	0.001	Chromium
	<0.0020	<0.0020	mg/L	0.002	Cobalt
1.4	0.0047	0.0136	mg/L	0.001	Copper
1	0.0423	0.594	mg/L	0.002	Iron
	<0.0050	<0.0050	mg/L	0.005	Lead
NA	0.009	0.0056	mg/L	0.001	Lithium
NA	33.9	15.6	mg/L	0.003	Magnesium
0.2	0.0884	**0.299**	mg/L	0.0005	Manganese
1	0.0021	0.0059	µg/L	0.002	Mercury
0.07	0.0054	0.0174	mg/L	0.002	Molybdenum
0.02	<0.0020	<0.0020	mg/L	0.002	Nickel
	<0.050	<0.050	mg/L	0.05	Phosphorus
NA	14.7	5.77	mg/L	0.015	Potassium
0.01	<0.010	<0.010	mg/L	0.01	Selenium
NA	3.2	5.6	mg/L	0.01	Silicon
	<0.0010	<0.0010	mg/L	0.001	Silver
NA	197	121	mg/L	0.03	Sodium
NA	0.845	0.694	mg/L	0.001	Strontium
NA	29.8	31.4	mg/L	0.06	Sulphur
	<0.010	<0.010	mg/L	0.01	Tellurium
	<0.010	<0.010	mg/L	0.01	Thallium
	<0.010	<0.010	mg/L	0.01	Tin
NA	0.0023	0.0087	mg/L	0.001	Titanium
NA	<0.0010	0.0011	mg/L	0.001	Vanadium
5	0.0205	0.0202	mg/L	0.002	Zinc
NA	<0.0010	0.0011	mg/L	0.001	Zirconium
			BTEX		
	<0.20	<0.20	µg/L	0.2	Benzene
	<0.10	<0.10	µg/L	0.1	Ethylbenzene
	<1.10	<1.10	µg/L	1.1	Sum of BTEX
	<0.550	<0.550	µg/L	0.55	Sum of BTEX (M1)
	<0.90	<0.90	µg/L	0.9	Sum of TEX
	<0.450	<0.450	µg/L	0.45	Sum of TEX (M1)
	<0.30	<0.30	µg/L	0.3	Sum of xylenes

תקן מי שתיה(1)	שם הבאר ותאריך דיגום		יחידות מידה	סף הכימות (LOR)	פרמטר
	GW-14	GW-11			
	12/05/2020	06/05/2020			
	<0.150	<0.150	µg/L	0.15	Sum of xylenes (M1)
	<0.50	<0.50	µg/L	0.5	Toluene
	<0.20	<0.20	µg/L	0.2	meta- & para-Xylene
	<0.10	<0.10	µg/L	0.1	ortho-Xylene
Halogenated Volatile Organic Compounds					
	<0.10	<0.10	µg/L	0.1	1.1-Dichloroethane
	<0.10	<0.10	µg/L	0.1	1.1-Dichloroethene
	<1.0	<1.0	µg/L	1	1.1-Dichloropropene
	<0.10	<0.10	µg/L	0.1	1.1.1-Trichloroethane
	<0.10	<0.10	µg/L	0.1	1.1.1.2-Tetrachloroethane
5	0.52	0.85	µg/L	0.2	1.1.2-Trichloroethane
NA	1.53	3.15	µg/L	0.2	1.1.2.2-Tetrachloroethane
	<1.0	<1.0	µg/L	1	1.2-Dibromo-3-chloropropane
	<0.50	<0.50	µg/L	0.5	1.2-Dibromoethane (EDB)
	<0.10	<0.10	µg/L	0.1	1.2-Dichlorobenzene
	<0.50	<0.50	µg/L	0.5	1.2-Dichloroethane
	<1.0	<1.0	µg/L	1	1.2-Dichloropropane
	<0.10	<0.10	µg/L	0.1	1.2.3-Trichlorobenzene
	<1.0	<1.0	µg/L	1	1.2.3-Trichloropropane
	<0.10	<0.10	µg/L	0.1	1.2.4-Trichlorobenzene
	<0.10	<0.10	µg/L	0.1	1.3-Dichlorobenzene
	<1.0	<1.0	µg/L	1	1.3-Dichloropropane
	<0.20	<0.20	µg/L	0.2	1.3.5-Trichlorobenzene
	<0.10	<0.10	µg/L	0.1	1.4-Dichlorobenzene
	<1.0	<1.0	µg/L	1	2-Chlorotoluene
	<1.0	<1.0	µg/L	1	2.2-Dichloropropane
	<1.0	<1.0	µg/L	1	4-Chlorotoluene
	<1.0	<1.0	µg/L	1	Bromobenzene
	<2.0	<2.0	µg/L	2	Bromochloromethane
NA	<0.10	0.12	µg/L	0.1	Bromodichloromethane
	<0.20	<0.20	µg/L	0.2	Bromoform
	<1.0	<1.0	µg/L	1	Bromomethane
	<0.10	<0.10	µg/L	0.1	Chlorobenzene
	<1.0	<1.0	µg/L	1	Chloroethane
80	16.8	20.1	µg/L	0.1	Chloroform
NA	<1.0	1.4	µg/L	1	Chloromethane
	<0.10	<0.10	µg/L	0.1	Dibromochloromethane
	<1.0	<1.0	µg/L	1	Dibromomethane
	<1.0	<1.0	µg/L	1	Dichlorodifluoromethane
5	**128**	**155**	µg/L	6	Dichloromethane
	<1.0	<1.0	µg/L	1	Hexachlorobutadiene
	<0.20	<0.20	µg/L	0.2	Sum of 1.2-Dichloroethenes
	<0.30	<0.30	µg/L	0.3	Sum of 3 Dichlorobenzenes
	<0.150	<0.150	µg/L	0.15	Sum of 3 Dichlorobenzenes (M1)
	<0.40	<0.40	µg/L	0.4	Sum of 3 Trichlorobenzenes

תקן מי שתיה(1)	שם הבאר ותאריך דיגום		יחידות מידה	סף הכימות (LOR)	פרמטר
	GW-14	GW-11			
	12/05/2020	06/05/2020			
	<0.20	<0.20	µg/L	0.2	Sum of 3 Trichlorobenzenes (M1)
100	16.8	20.2	µg/L	0.5	Sum of 4 Trihalomethanes
100	16.8	20.2	µg/L	0.25	Sum of 4 Trihalomethanes (M1)
	<0.60	<0.60	µg/L	0.6	Sum of 5 Chlorinated Ethenes
	<0.20	<0.20	µg/L	0.2	Tetrachloroethene
	<0.10	<0.10	µg/L	0.1	Tetrachloromethane
20	<0.10	<0.10	µg/L	0.1	Trichloroethene
	<1.0	<1.0	µg/L	1	Trichlorofluoromethane
	<0.10	<0.10	µg/L	0.1	Vinyl chloride
	<0.10	<0.10	µg/L	0.1	cis-1.2-Dichloroethene
	<1.0	<1.0	µg/L	1	cis-1.3-Dichloropropene
	<0.10	<0.10	µg/L	0.1	trans-1.2-Dichloroethene
	<1.0	<1.0	µg/L	1	trans-1.3-Dichloropropene
Non-Halogenated Volatile Organic Compounds					
	<1.0	<1.0	µg/L	1	1.2.4-Trimethylbenzene
	<1.0	<1.0	µg/L	1	1.3.5-Trimethylbenzene
	<50	<50	µg/L	50	1.4-Dioxane
	<0.60	<0.60	µg/L	0.6	Diisopropyl ether (DIPE)
	<0.20	<0.20	µg/L	0.2	Ethyl tert-Butyl Ether (ETBE)
	<0.20	<1.00	µg/L	0.2	Indane
	<1.0	<1.0	µg/L	1	Isopropylbenzene
40	<0.20	1.16	µg/L	0.2	Methyl tert-Butyl Ether (MTBE)
	<0.20	<0.20	µg/L	0.2	Styrene
	<1.3	<1.3	µg/L	1.3	Sum of BTEXS
	<0.65	<0.65	µg/L	0.65	Sum of BTEXS (M1)
	<1.0	<1.0	µg/L	1	n-Butylbenzene
	<1.0	<1.0	µg/L	1	n-Propylbenzene
	<1.0	<1.0	µg/L	1	p-Isopropyltoluene
NA	<1.0	1.6	µg/L	1	sec-Butylbenzene
	<0.20	<0.20	µg/L	0.2	tert-Amyl Ethyl Ether (TAEE)
	<0.20	<0.20	µg/L	0.2	tert-Amyl Methyl Ether (TAME)
	<5.0	<5.0	µg/L	5	tert-Butyl alcohol
	<1.0	<1.0	µg/L	1	tert-Butylbenzene
PCBs					
	<0.010	<0.010	µg/L	0.01	PCB 101
	<0.010	<0.010	µg/L	0.01	PCB 118
	<0.010	<0.010	µg/L	0.01	PCB 138
	<0.010	<0.010	µg/L	0.01	PCB 153
	<0.010	<0.010	µg/L	0.01	PCB 180
	<0.010	<0.010	µg/L	0.01	PCB 28
	<0.010	<0.010	µg/L	0.01	PCB 52
	<0.070	<0.070	µg/L	0.07	Sum of 7 PCBs
Polycyclic Aromatics Hydrocarbons (PAHs)					
NA	<0.010	<0.010	µg/L	0.01	Acenaphthene
	<0.010	<0.010	µg/L	0.01	Acenaphthylene

פרמטר	סף הכימות (LOR)	יחידות מידה	שם הבאר ותאריך דיגום		תקן מי שתיה[1]
			GW-11	GW-14	
			06/05/2020	12/05/2020	
Anthracene	0.01	µg/L	<0.040	<0.010	
Benz(a)anthracene	0.01	µg/L	<0.010	<0.010	
Benzo(a)fluoranthene	0.01	µg/L	<0.010	<0.010	
Benzo(a)pyrene	0.01	µg/L	<0.010	<0.010	
Benzo(b)fluoranthene	0.01	µg/L	<0.010	<0.010	
Benzo(g.h.i)perylene	0.01	µg/L	<0.010	<0.010	
Benzo(k)fluoranthene	0.01	µg/L	<0.010	<0.010	
Chrysene	0.01	µg/L	<0.010	<0.010	
Dibenz(a.h)anthracene	0.01	µg/L	<0.010	<0.010	
Fluoranthene	0.01	µg/L	<0.150	<0.010	NA
Fluorene	0.01	µg/L	<0.010	<0.010	NA
Indeno(1.2.3.cd)pyrene	0.01	µg/L	<0.010	<0.010	
Naphthalene	0.03	µg/L	*	<0.030	
Phenanthrene	0.02	µg/L	<0.140	<0.020	
Pyrene	0.01	µg/L	<0.810	<0.010	
Sum of 16 PAH	0.19	µg/L	*	<0.19	
Sum of 17 PAH	0.2	µg/L	*	<0.20	

[1] תקנות בריאות העם (איכותם התברואית של מי־שתיה ומיתקני מי שתיה), התשע״ג-2013

* לא ניתן לכמת רכיב זה בדגימה מסיבה אנליטית (complicated matrix).