

## Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Drinking Water Program

## UIC Class V Well **Post-Closure Notification Form**

Enter UIC Registration Number (required):

MAS11A272200-5K UIC Registration #

#### .... . . ... Α.

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key

Β.

Facility information		
Lot O-32 Property Facility/Residential Property Name		
66 Leverett Road Facility/Residential Property Street Address		
Shutesbury City	MA State	01072 Zip Code
Preparer and Contact Information		
Matthew Kissane (Fuss & O'Neill) Preparer Name	1550 Main Street, Suite 4 Preparer Address	100

Preparer Name	Preparer Address				
Springfield	MA	01103			
City/Town	State	Zip Code			
mkissane@fando.com	413-333-5472				
Preparer's Email	Preparer's Telephone Number				
Massachusetts Engineer License Number (if applicable)	Licensed Site Profes	sional (LSP)# (if applicable)			
Rebecca	Torres				
Contact First Name	Contact Last Name				
townadmin@shutesbury.org	413-259-1214				
Contact's email	Contact's Phone nur	nber			

### C. Well Closure Information

Enter the data that all of the well alcours activities were completed:	11/18/2022
Enter the date that all of the well closure activities were completed.	Date of Well Closure(s)

Did the Closure include Floor Drain(s)?

X Yes

of Well Closure(s

No No

If you answered "Yes" to this question you shall select one or more of the following four options and provide any additional information requested.

**Option 1 – Sealing:** Plug point of entry, if applicable (see 248 CMR 2.09).

Attach copy of Form WS1: Notice of Plumbing Inspector Approval to Seal Floor Drain

Plumbing Permit # (if assigned by inspector)

Date of Plugging

**Option 2 – Industrial Wastewater Holding Tank** (314 CMR 18.00):

Connect discharge to a Certified holding tank meeting all appropriate MassDEP requirements. Attach floor plan with holding tank and floor drain location(s), and copy of Page 1 of Compliance Certification Form (DEP 01).

IWW Holding Tank Certification Transmittal #

Date of Certification Application Submittal to MassDEP

Tank ID #

Date of Connection



### **Massachusetts Department of Environmental Protection** Bureau of Resource Protection – Drinking Water Program

## UIC Class V Well Post-Closure Notification Form

### C. Well Closure Information (cont.)

Option 3 – Sewer: Connect discharge to municipal sanitary sewer system.

Attach copy of sewer discharge permit # or letter of approval from the issuing authority.

Date of Approval to Connect Date of Connection

Name of POTW

Permit # (if issued by issuing authority)

Option 4 - Other: Certain other options are also acceptable (e.g. former discharge discontinued, closed loop recirculating system, closure and removal of entire operation, surface water discharge permit, and connection to municipal stormwater system (with approval from the issuing authority). Specify and attach a sheet with additional information:

Closure and removal of entire floor drain with drainpipe abandoned in-place. See attached narrative for additional information.

### **D. Previously Submitted Information**

Has any of the information that was submitted with the original UIC registration application and/or Pre-Closure Notification form (including any previously submitted UIC registration modification forms) changed or have any of the UIC well and discharge system conditions that MassDEP placed on the UIC registration/Pre-Closure approval not been met (excluding any post start-up sampling requirements)? This would include, but not be limited to, the following: well dimensions, well seal materials, piping/tubing materials, well(s) location(s), number of wells, number of entry points to the system, types of discharges, potential contaminants of concern, and any of the attachments previously submitted.

🛛 Yes 🗌 No

If you answered yes to this questions, you shall submit one or more of the following with this Post Closure Notification Form:

- A BRP WS06 Modification or Well Conversion form (if any of the information submitted on that form has changed) completing only the UIC Registration Number, facility name and address and those portions of the form that are changed, including data not supplied with the original application;
- Resubmitting only those attachments, that were modified; and/or,
- A narrative description of any UIC Registration/Pre-Closure approval conditions that were not met or any closure activities that were proposed that were either not completed or were modified.

### E. Attachments

Check all of the following that are being attached to this submittal package:

Copy of Form WS-1, Notice of Plumbing Inspector Approval to Seal Floor Drain: Form WS-1 is required if you answered "Yes" to the first question in Section C regarding floor drains AND you selected "Option – Sealing".



### **Massachusetts Department of Environmental Protection** Bureau of Resource Protection – Drinking Water Program

## UIC Class V Well Post-Closure Notification Form

### E. Attachments (cont.)

- All Screening and Analytical Results: This information must be submitted in accordance with criteria specified in MassDEP Guidance Document Massachusetts Closure Requirements for Underground Injection Control (UICs) Wells (Guidance # BRP/DWM/DW/G04-3). Copies of all laboratory analytical reports shall be included along with a clear explanation (combination of narrative and figures) of where each of the field screening and laboratory analytical samples was collected and a description of all soil samples collected (i.e. texture, color, odor, whether it's sediment or sludge, etc.).
- ☐ Facilities Waste Management Report: When required via the issuance of an enforcement order from the MassDEP's UIC program or other entity (EPA or MassDEP Program) or as a condition stated in your UIC Registration or Pre-Closure application approval, a waste management report specifying the methods that were used to properly collect, store, and dispose of all potentially hazardous wastes/material must be submitted including documentation regarding the quantities of potentially hazardous waste that were shipped off-site.
- Copy of discharge permit or letter of approval from the issuing authority for the floor drain connection to the municipal sewer system.
- Copy of page 1 of Compliance Certification Form (DEP 01).
- **Revised Information:** Applicable BRP WS06 Registration form (including any revised plans or attachments)
- **Other** (specify):

### F. Certification

#### Operator

I certify under pains and penalties of law that I have personally examined and am familiar with the information submitted in this document and all attachments and based on my personal knowledge or inquiry of those agents immediately responsible for obtaining the information on my behalf, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment.

	12/9/22
Signature of Operator	Date
Rebecca Torres	Town Administrator
Printed Name of Operator	Position/Title

#### Owner (must be completed if owner has not signed above as operator)

I certify that I have personally examined and am familiar with the information submitted in this document.

Signature of Owner	Date		
Printed Name of Owner	Position/Title		
Submit a signed and complete application package to: MassDEP Bureau of Resource Protection UIC Program One Winter Street, 5th Floor Boston, MA 02108	Send duplicate copies of this form to: Local Board of Health Local Plumbing Inspector (for any applications involving the closure of floor drains)		

it's sediment or sludge, etc.).

☐ Facilities Waste Management Report: When required via the issuance of an enforcement order from the MassDEP's UIC program or other entity (EPA or MassDEP Program) or as a condition stated in your UIC Registration or Pre-Closure application approval, a waste management report specifying the methods that were used to properly collect, store, and dispose of all potentially hazardous wastes/material must be submitted including documentation regarding the quantities of potentially hazardous waste that were shipped off-

drain connection to the municipal sewer system.

Copy of page 1 of Compliance Certification Form (DEP 01).

Revised Information: Applicable BRP WS06 Registration form (including any revised plans or attachments)

	Other
(sp	pecify):

### F. Certification

#### Operator

I certify under pains and penalties of law that I have personally examined and am familiar with the information submitted in this document and all attachments and based on my personal knowledge or inquiry of those agents immediately responsible for obtaining the information on my behalf, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possible fines and imprisonment.

Rebecca Jones	12/9/22
Signature of Operator	Date
Rebecca Torres	Town Administrator
Printed Name of Operator	Position/Title

#### Owner (must be completed if owner has not signed above as operator)

I certify that I have personally examined and am familiar with the information submitted in this document.

Signature of Owner	Date		
Printed Name of Owner	Position/Title		
Submit a signed and complete application package to: MassDEP Bureau of Resource Protection UIC Program One Winter Street, 5th Floor	Send duplicate copies of this form to: Local Board of Health Local Plumbing Inspector (for any applications involving the closure of floor drains)		



December 9, 2022

Mr. Joseph Cerutti UIC Program Coordinator MassDEP Drinking Water Program 1 Winter Street Boston, MA 02108

Re: UIC Closure Report UIC Registration ID# MAS11A272200-5K 66 Leverett Rd., Shutesbury, MA Fuss & O'Neill Reference No. 20091032.A22

Dear Mr. Cerutti

On behalf of the Town of Shutesbury (the Town), Fuss & O'Neill has prepared this report in support of an Underground Injection Control (UIC) Class V Well Post-Closure Notification Form being submitted for a Class V Well located at 66 Leverett Road, Shutesbury, Massachusetts (the Site). The Site is identified by the Town Assessor's map as Lot O-32.

On October 26, 2022, the Town submitted a BRP WS 06 UIC Permit Application to the Massachusetts Department of Environmental Protection (MassDEP) Drinking Water Program (DWP) under eDEP Transaction #1440467. On November 7, 2022, a UIC Registration (ID# MAS11A272200-5K) was issued in accordance with the UIC program procedures and regulations, 310 CMR 27.00, which authorized closure of the UIC well in accordance with the description provided in the permit application and conditions stated in the authorization. This authorization e-mail is included as *Attachment A*.

On the accompanying Class V Well Post-Closure Notification Form, Section D, the Town has indicated that some information that was submitted with the original UIC registration application and Pre-Closure Notification form has changed since its submittal. The Town has answered in the affirmative for this question due to the in-field discovery of additional information related to the location of the historical floor drain since the submittal, which led to corresponding changes to the number of test pits and target locations, and sample methodology (i.e. grab samples in lieu of three-point composite samples).

The objective of the closure activities was to address the requirements under 310 CMR 27.10 and the *Massachusetts Closure Guidance for Underground Injection Control (UIC) Wells (including shallow injection wells) (Guidance #BRP/DWM/DW/G04-3)*. Specifically, the closure activities were intended to evaluate whether the floor drain, and associated drainpipe, may have served as a preferential pathway for migration of oil and/or hazardous materials (OHM) to the environment. The following narrative describes the project background, previous environmental investigation related to the UIC well, and a summary of UIC closure activities completed.

1550 Main Street Suite 400 Springfield, MA 01103 t 413.452.0445 800.286.2469 f 860.533.5143

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### 1. Project Background

The UIC Class V well that is the subject of this UIC Closure Report is a floor drain that existed within the three-bay vehicle garage that was historically located at the Site. The three-bay garage was historically used for automotive repair purposes and then as a storage facility for the Town of Shutesbury Department of Public Works (DPW). It is unknown what year the garage and the floor drain were constructed; however the structure is not evident in aerial photography from 1962, but does appear on aerial photography from 1987. Therefore, it is inferred that the three-bay garage was built during that time. The floor drain and its drainpipe components were initially thought to have been removed from the Site during the demolition of the three-bay vehicle garage by the Town in August of 2021. However, as further discussed in *Section 3*, it has been determined that portions of the drainpipe remain.

### 2. Previous Environmental Investigations

The following is a brief summary of historical environmental investigations relevant to the location and condition of the UIC well that is the subject of this report.

- Subsurface Soil Boring/Well Installation and Sampling Letter CSEC, April 2012
  - **Soil:** As part of a larger environmental assessment, CSEC oversaw the collection of  $\cap$ two (2) soil samples taken from test pit excavations along the length of the floor drain drainpipe and at the terminus of the floor drain drainpipe, at depths of 1 foot below ground surface (ft bgs) and 1.2 ft bgs respectively (CSEC sample numbers FD-S-1 and FD-S-2) and one (1) soil sample taken from a boring near the terminus of the floor drain drainpipe, at a depth interval of 4 to 8 ft bgs (CSEC sample number GP-3 4-8'). The samples were collected on December 15 and 16, 2011 and submitted for laboratory analysis for Volatile Organic Compounds (VOCs) by EPA Method 5035A and for Extractable Petroleum Hydrocarbons (EPH) and Target Polycyclic Aromatic Hydrocarbons (PAHs) by MassDEP Methodology. For both samples, no VOCs were detected at concentrations above laboratory reporting limits. For both samples, no EPH or target PAHs were detected at concentrations above laboratory reporting limits, with the exception of C19-C36 Aliphatics (19.1 milligrams/kilogram (mg/kg)) and C11-C22 Aromatics (33.5 mg/kg) in sample FD-S-1 and C11-C22 Aromatics (14.1 mg/kg) in sample GP-3 4-8'. These concentrations were well below their applicable RCS-1 Reportable Concentrations of 3,000 mg/kg for C19-C36 Aliphatics and 1,000 mg/kg for C11-C22 Aromatics.
  - Groundwater: CSEC also oversaw the installation of a groundwater monitoring well at soil boring location GP-3, and subsequently, the collection of two (2) groundwater samples from that groundwater monitoring well. The first sample was collected on December 22, 2011 and was submitted for laboratory analysis for VOCs by EPA Method 5030 and for EPH and Target PAHs by MassDEP Methodology. No VOCs, EPH, or target PAHs were detected above laboratory reporting limits. The second sample was collected on April 9, 2012 and was submitted for laboratory analysis for



Polychlorinated Biphenyls (PCBs) by EPA Method 3510C. No PCBs were detected above laboratory reporting limits, with the exception of Aroclor-1242 (0.425 micrograms/liter ( $\mu$ g/l)). This result was below the applicable RCGW-1 Reportable Concentration of 0.5  $\mu$ g/l.

- Limited Subsurface Assessment O'Reilly, Talbot & Okun Engineering Associates, October 2021
  - As part of a larger environmental assessment, O'Reilly, Talbot & Okun Engineering Associates (OTO) oversaw the installation of one soil boring, B-1, within the footprint of the historic three-bay garage and near the reported location of the historic floor drain. One soil sample was collected at an interval of 5 to 7 ft bgs and was analyzed for VOCs by EPA Method 8260, EPH with Target PAHs by MassDEP methods, and Polychlorinated Biphenyls by EPA Method 8082. No compounds were detected at concentrations above laboratory reporting limits.

### 3. November 2022 UIC Closure Activities

On November 18, 2022, following approval of the BRP WS06 permit application package for the closure of the UIC Class V well, Fuss & O'Neill performed the following UIC closure related activities:

- Excavation of three (3) test pits (designated as TP-1, TP-2, and TP-3) and the collection of soil samples by Fuss & O'Neill personnel.
- Laboratory analysis of two (2) soil samples.

### Field Observations:

With Mr. Joseph Cerutti of MassDEP present, Fuss & O'Neill personnel oversaw the UIC closurerelated activities. Test pits were excavated by DPW personnel with a backhoe, to depths of up to 24 inches below grade surface (in bgs). Test pit locations are depicted in *Figure 1*.

Fuss & O'Neill oversaw the excavation of one test pit to the east of the location of the former three-bay garage to investigate whether the drainpipe associated with the former floor drain was still in-place. The footprint of the historical three-bay garage was determined based on a combination of satellite imagery, historical photographs of the Site, and visual observations of changes in topography and/or vegetation indicative of the limits of a historical foundation. The inferred locations for the floor drain and associated drainpipe were derived from the *Subsurface Soil Boring/Well Installation and Sampling Letter* (CSEC 2012), firsthand testimonials, and photographs of the historical floor drain before removal in 2021.

The first test pit excavated (TP-3), was the initially inferred location of the terminus of the floor drain drainpipe. The drainpipe was discovered partially intact, approximately 16 in bgs within TP-3. This drainpipe was a 4-inch inner diameter perforated pipe, which resembled a bituminized fiber pipe (aka Orangeburg pipe). Perforations were located on only one side of the pipe, and those perforations alternated from one side of the pipe to another, along its length. The drainpipe was



partially-to-fully collapsed in places and was visibly filled with soil in others. In an attempt to locate the beginning and terminus of the pipe, two additional test pits (TP-1 and TP-2) were excavated. TP-2 was excavated on the eastern-most portion of the work area along the border of a mapped wetland resource area. A section of the drainpipe was discovered approximately 12-inches below grade within TP-2. TP-1 was excavated within the footprint of the former garage within the observed alignment of the drainpipe. The beginning of the drainpipe at the inferred location of the historical floor drain, was discovered approximately 13 in bgs, approximately 58-inches from the eastern exterior of the former garage. The inferred location of the historical drainpipe was based off visual observation of subsurface lithology and the lack of any evidence of drainpipe or drainpipe bedding along the western end of TP-1. It was determined in the field based on the visual observation that there was no impermeable bottom beneath the inferred location of the historic floor drain, that the historical floor drain was not watertight in nature. A concrete slab and wood feature of unknown origin was also observed approximately 24 in bgs within TP-1, roughly 5-feet from- and parallel to- the eastern former garage wall.

A Fuss & O'Neill representative oversaw the excavation of the test pits and logged soil conditions and performed field screening of soils for total organic vapors (TOVs) using a photoionization detector (PID). No visual or olfactory evidence of contamination was observed in the test pits during the excavation. Groundwater infiltrated the test pits minutes after the excavation and remained at roughly 12 in bgs. Test Pit Logs are included as *Attachment C*.

The top 12 to 13-inches of soil was characterized as fill and contained mostly fine to coarse grained sand, with trace amounts of silt and sub-rounded gravel. Below this layer of soil was fine to medium grained sand, light brown in color. A photo log of representative photos from the November 18, 2022 closure activities is included as *Attachment B*.

#### Soil Sampling for Laboratory Analysis:

A total of two (2) soil sample locations were collected and submitted to New England Testing Laboratory in West Warwick, Rhode Island (NETLAB). The two (2) points were selected as the two most high probability locations where a potential release of OHM to the environment would have occurred based on the characteristics of the floor drain system (i.e. perforated pipe and a nonwatertight floor drain). One (1) soil sample was sampled from the perforated side of the western end of the drainpipe (the inferred connection point to the historic floor drain) within TP-1, from 11 to 13 in bgs. Another sample was collected from the perforated side of the drainpipe at the wetland boundary within TP-2, from 10 to 12 in bgs. Both samples were collected with a dedicated nitrile glove.

Per Massachusetts Closure Guidance for Underground Injection Control (UIC) Wells (including shallow injection wells), Guidance #BRP/DWM/DW/G04-3, the soil samples were submitted under chain of custody to NETLAB for the analysis of the following analytical parameters:

• Volatile organic compounds (VOCs) via EPA Method 8260C;



- Extractable petroleum hydrocarbons (EPHs) with target polyaromatic hydrocarbons (PAHs) via the MassDEP Method;
- Volatile petroleum hydrocarbons (VPHs) Ranges via MassDEP Method;
- Select Metals (arsenic, barium, cadmium, chromium, lead, mercury nickel, selenium, and zinc) via EPA Methods 6010C/7471B; and
- Polychlorinated biphenyls (PCBs) via EPA Method 8082A.

A summary of the soil samples submitted for laboratory analysis is included in Table 1 below:

Location	Location	Date	Sample	Sample ID	Analyses
ID			Depth		
			(ibg)		
TP-1	Historical Location		11 – 13	1708221118-01	VOCs, EPH w/
	of Floor Drain	11/19/2022			target PAHs,
TP-2	Drainpipe at	11/10/2022	10 - 12	1708221118-04	VPH, Select
	Wetlands Boundary				Metals, PCBs*

Table 1Summary of Soil Sample Activities

ibg: inches below grade

\* two samples, one from the TP-1 sample location, and one from a dripline location of the former three-bay garage, and were submitted to Alpha Analytical Labs (Alpha) of Westborough, MA to be analyzed for per- and polyfluoroalkyl substances (PFAS). While PFAS was not a MassDEP requirement for the UIC closure process, these samples voluntarily collected and analyzed in response to concern regarding the possible presence of PFAS at the site. Results for this analysis were not available at the time of this closure report and will be provided to the MassDEP under separate cover.

### 4. Analytical Results

### Soil Laboratory Results:

Test pit results were compared to the MassDEP RCS-1 Reportable Concentrations in Soil (310 CMR 40.0361) and the published background values for "natural" soil per the 2002 MassDEP Technical Update for Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil. The following describes the analytical results:

• One to two EPH Ranges (C19-C36 and C11-C22) were detected above laboratory reporting limits in the two soil samples collected from TP-1 and TP-2. The concentrations detected were below applicable MassDEP Reportable Concentrations in soil (RCS-1) in both samples.



- Seven to eight Target PAH compounds were detected above laboratory reporting limits in the two samples collected form TP-1 and TP-2. The concentrations detected were below applicable RCS-1 criteria and consistent with "natural" background levels in both samples.
- A total of seven metals (arsenic, barium, cadmium, chromium, lead, nickel, selenium, zinc, and mercury) were detected above laboratory reporting limits in both samples collected from TP-1 and TP-2. The concentrations detected were below applicable RCS-1 criteria in both samples and consistent with "natural" soil background levels, except for zinc (108 mg/kg) which exceeded the published "natural" background level of 100 mg/kg.
- No PCBs, VOC, or VPH were detected in either sample at concentrations above laboratory reporting limits.

Refer to *Table 2* for a summary of soil analytical results compared to applicable MassDEP Reportable concentrations. The laboratory analytical report is included as *Attachment B*.

### 5. Conclusions

Based on results of the UIC Post-Closure Notification summarized herein, all concentrations of EPH and target PAHs, PCBs, select metals, VOCs, and VPHs detected were below applicable MassDEP Reportable Concentrations in soil and were generally consistent with MassDEP published "natural" soil background guidance values. Additionally, no visual or olfactory evidence of releases to the environment was observed in the field during this investigation. Based on the results of this and the previous investigations summarized herein, no evidence was observed to indicate that the floor drain and pipe constituting the UIC structure served as a migration pathway for releases to the environment. Therefore, no further response actions regarding the UIC structure are warranted.

If you have any questions, please feel free to contact the undersigned at 413-333-4572.

Sincerely,

Matthew Kissane Project Manager

Timothy Clinton, CPG, LSP Department Manager

Attachments: Figure 1 – Site Plan
Table 2 – Summary of Test Pit Data and Objectives
Attachment A – UIC Registration and Pre-Closure Approval
Attachment B – Photo Log
Attachment C – Test Pit Logs
Attachment D – Laboratory Analytical Report



cc: Mary Anne Antonellis, Director, M.N. Spear Memorial Library Rebecca Torres, Town Administrator, Town of Shutesbury Catherine Hilton, Chair, Shutesbury Board of Health



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		<u> </u>		VERT.:		
			DA	DATUM:	FUSS&UNEILL	
				HORZ.:		UNDERGROUNDI
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		<u> </u>	0	10 20	SPRINGFIELD, MA 01103 413 452 0445	
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DESCRIPTION	DESIGNER	REVIEWER		GIVALITIC SCALE		SHUTESBURY

JECTION CONTROL CLOSURE REPORT

66 LEVERETT ROAD

MASSACHUSETTS

FIGURE 1

![](_page_12_Picture_0.jpeg)

#### Table 2

#### Summary of Test Pit Analytical Data and Objectives Underground Injection Control (UIC) Closure Report 66 Leverett Road

Shutesbury, Massachusetts

#### December 2022

	Location ID	TP-1	TP-2	MCD Description	L. C	
	Matrix	Soil	Soil	мСР керопаы	le Concentrations	
	Sample Interval (ibg)	11-13	10-12			MassDEP Background
	TOV (ppmv)	0.0	0.0	DCS 1	DCS 1	Guidance1
	Sampling Date	11/18/2022	11/18/2022	KC3-1	RC3-2	
	Field Sample ID	1708221118-01	1708221118-04			
Parameters	Units					
EPH w/ Target PAH (MassDEP EPH Method)						
C9-C18 Aliphatic Hydrocarbons	mg/kg	ND < 16.8	ND < 15.9	1000	3000	NE
C19-C36 Aliphatic Hydrocarbons	mg/kg	165	ND < 15.9	3,000	5000	NE
C11-C22 Aromatic Hydrocarbons	mg/kg	62.1	22	1,000	3000	NE
Fluoranthene	mg/kg	0.98	0.87	1000	3000	4
Pyrene	mg/kg	0.89	0.78	1000	3000	4
Benzo(a)anthracene	mg/kg	0.67	0.6	7	40	2
Chrysene	mg/kg	0.78	0.67	70	400	2
Benzo(b)fluoranthene	mg/kg	0.66	0.5	7	40	2
Benzo(k)fluoranthene	mg/kg	0.6	0.53	70	400	1
Benzo(a)pyrene	mg/kg	0.61	0.54	2	7	2
Benzo(g,h,i)perylene	mg/kg	0.42	ND < 0.4	1,000	3000	1
PCBs (EPA Method 8082A)						
Various PCB Aroclors	ug/kg	ND < Varies	ND < Varies	Various	Various	NE
PCBs (Total)	ug/kg	ND < 83	ND < 78	1,000	4000	NE
Metals (EPA Method 6010C/7471B)						
Arsenic	mg/kg	1.62	1.65	20	20	20
Barium	mg/kg	44.8	19.4	1,000	3000	50
Cadmium	mg/kg	1.26	0.97	70	100	2
Chromium	mg/kg	10.4	7.87	100	200	30
Lead	mg/kg	38.2	36.9	200	600	100
Nickel	mg/kg	10.5	9.26	600	1000	20
Selenium	mg/kg	ND < 1.37	ND < 1.25	400	700	0.5
Zinc	mg/kg	108	50.5	1000	3000	100
Mercury	mg/kg	$ND \le 0.202$	ND < 0.197	20	30	0.3
VOCs (EPA Method 8260C)						
Various VOCs	ug/kg	ND < Varies	ND < Varies	Various	Various	NE
VPH Ranges (MassDEP VPH Method)						
C5-C8 Aliphatic Hydrocarbons	mg/kg	ND < 7.7	ND < 7.1	100	500	NE
C9-C12 Aliphatic Hydrocarbons	mg/kg	ND < 7.7	ND < 7.1	1,000	3000	NE
C9-C10 Aromatic Hydrocarbons	mg/kg	ND < 7.7	ND < 7.1	100	500	NE

Prepared by: Checked by:

EK MK

Notes: <sup>1</sup>2002 MassDEP Technical Update for Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in "Natural" Soil Soil samples were analyzed by New England Testing Laboratory of West Warwick, Rhode Island. Generally, compounds having detections greater than their laboratory reporting limits are shown. Refer to the laboratory analytical reports for the complete analytical data. Shaded and bold value exceeds one or more criteria EPA: Environmental Protection Agency EPH: Extractable Petroleum Hydrocarbon VDH: Voleisile Detroleum Hydrocarbon

PFH: Voltable Petroleum Hydrocarbon VOC: Volatile Organic Compounds MCP: Massachusetts Contigency Plan ND < X: Not Detected above the lab reporting limit PAH: Polycyclic Aromatic Hydrocarbons Comp. Dy Machine Linking Company, 2010 (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010) (2010)

PCB: Polychlorinated Biphenyl RCS: Reportable Concentrations in Soil

TP: Test Pit NE: No available MassDEP Background Guidance Value

### **Matthew Kissane**

From:	Cerutti, Joseph (DEP) <joseph.cerutti@state.ma.us></joseph.cerutti@state.ma.us>
Sent:	Monday, November 7, 2022 11:22 AM
То:	townadmin@shutesbury.org
Cc:	Director-DWP, Program (DEP); Doherty, Deirdre (DEP); Motamedi, Saadi (DEP); Longridge, Kimberly
	(DEP); Grover, Mary (DEP); Matthew Kissane
Subject:	UIC Registration and pre-closure approval_Shutesbury_66 Leverett Road_MAS11A272200-5K

#### Dear Rebecca Torres,

The Massachusetts Department of Environmental Protection (MassDEP), Drinking Water Program (DWP) received on October 26, 2022, the submittal of a **BRP WS 06** permit application, eDEP Transaction # 1440467 with supporting documentation in the form of one attached PDF document for the registration and closure of one Underground Injection Control (UIC) Class V well.

MassDEP/DWP has reviewed the above referenced permit application and is hereby issuing **UIC Registration ID# MAS11A272200-5K** in accordance with the UIC program procedures and regulations, 310 CMR 27.00; and is authorizing the closure of the UIC wells in accordance with the description provided in the permit application and the conditions stated in this email. In all future correspondence regarding this UIC registration please reference the UIC Registration ID Number.

### **UIC Class V Well Pre-Closure Application Information:**

Facility Name:	Lot 0-32 Property
Owner:	Town of Shutesbury
Operator:	same as owner
Owner's and Ope	rator's legal contact: Rebecca Torres
Facility Address:	66 Leverett Road, Shutesbury, MA 01072
Applicant:	Town of Shutesbury
Well category:	Motor Vehicle
Well type:	Motor Vehicle Waste Disposal
EPA Well Code:	5K
Number of wells p	proposed for complete closure: 2 (1 subsurface pipe outfall and 1 presumed leaching floor
drain) [Note: the f	loor drain entry point to the former UIC well was also a UIC well if it was a leaching
structure. Since t	he physical removal of that floor drain was not documented, MassDEP assumes that it was a
leaching floor dra	in structure (i.e. any fluids entering the floor drain had the potential to infiltrate directly into the
subsurface becau	ise it was not a water-tight structure)]
Number of Motor	Vehicle Waste Disposal wells that will remain after proposed closure: 0
Number of entry p	points proposed for closure: 1 (1 floor drain that was previously removed).
Number of entry p	points that will remain after proposed closure: 0
Designer of UIC v	vell closure activities: Matthew Kissane, Fuss & O'Neill
Installer of UIC w	ell closure activities: Matthew Kissane, Fuss & O'Neill
Application prepa	red by: Matthew Kissane, Fuss & O'Neill

MassDEP concurs with the proposed UIC well closure activities as described in the Fuss & O'Neill letter dated October 25, 2022, that was included as a PDF attachment to the eDEP UIC registration application form.

This UIC well registration and pre-closure authorization is contingent upon satisfying the following requirements:

• You shall notify MassDEP's UIC Registration program of the date(s) selected to conduct the proposed UIC well closure activities at least two business days prior to that date to allow MassDEP to schedule staff to be present onsite to witness those activities. That notification may be sent via email or voice

message or text message to Joe Cerutti, MassDEP UIC program coordinator at 781-465-4123 (mobile) or by e-mail at <u>ioseph.cerutti@mass.gov</u> The well closure activities shall not be scheduled for November 11, 16, or 17, as MassDEP UIC program staff are unavailable to witness on those days. All other business days are acceptable at this time.

- You are required to provide the UIC ID# issued in this email on all future correspondence with MassDEP/DWP related to these registered UIC wells.
- All correspondence related to the UIC program that is not submitted through MassDEP's eDEP electronic filing system shall be emailed to <u>ask.UIC@mass.gov</u> or joseph.cerutti@mass.gov
- Within seven (7) days following the completion of the closure of the UIC wells you are required to submit to the MassDEP/DWP documentation of the closure with a UIC Class V Well Post-Closure Notification Form. The completion of UIC well closure activities date is the date of your receipt of the required laboratory analytical report for the soil samples collected during the closure activities. Due to an error that occurred on MassDEP's end of the eDEP UIC registration application system, you will not be able to submit the post-closure form through your eDEP account. Instead, please download the form at the following MassDEP web page: <a href="https://www.mass.gov/how-to/uic-class-v-well-post-closure-notification-form">https://www.mass.gov/how-to/uic-class-v-well-post-closure-notification-form</a>. That form may be submitted as an electronic attachment in an email to either ask.UIC@mass.gov or joseph.cerutti@mass.gov</a>
- A narrative statement describing the well closure activities and information regarding sample collection locations shall be submitted electronically with the Post-Closure Notification Form.
- A copy of the complete laboratory analytical report(s) for all analytical results that are used to document the UIC well closure activities (may sent as a PDF document to to the above referenced email addresses).
- Since the building in which the floor drain was located has been demolished, MassDEP will **not** be requiring the submittal of a MassDEP *Form WS1, Notice of Plumbing Inspector Approval to Seal Floor Drain* for the sealing/removal of the floor drain.
- The applicant is required to maintain a copy of all documentation related to this permit application including but not limited to all the forms, correspondence and their respective noted attachments including site maps, and detail sheets for a period of three years following the submittal date of the UIC post closure notification form.

There may be other local permits, ordinances, or regulations that apply. The issuance of a UIC registration number by MassDEP does not supersede the requirements of any other state or local regulatory entity.

If you have questions, please contact me at 781-465-4123 or by e-mail at joseph.cerutti@mass.gov .

This email has been copied to the following: Matthew Kissane, Fuss & O'Neill Deirdre Cabral MassDEP/BWR/DWP Section Chief- Western Regional Office Motamedi Saadi, MassDEP - Western Regional Office Kim Longridge, MassDEP - Western Regional Office Mary Grover, MassDEP - Western Regional Office

This message was copied to the Drinking Water Program Director's email account for archiving purposes – UIC registration and pre-closure approval

Joe Cerutti MassDEP Drinking Water Program, UIC program coordinator mobile: 781-465-4123

![](_page_15_Picture_0.jpeg)

![](_page_15_Picture_3.jpeg)

Photo 1 Footprint of former garage within the work area.

![](_page_15_Picture_5.jpeg)

Photo 2 Drainpipe partially collapsed by backhoe. Test pit 3.

![](_page_16_Picture_0.jpeg)

![](_page_16_Picture_3.jpeg)

Photo 3 Drainpipe and eastern boundary of work area. Test pit 2.

![](_page_16_Picture_5.jpeg)

Photo 4 Drainpipe and eastern boundary of work area. Terminus of drainpipe underneath shovel. Test pit 2.

![](_page_17_Picture_0.jpeg)

![](_page_17_Picture_3.jpeg)

Photo 5 Beginning of drainpipe partially impacted by groundwater. Test pit 1.

![](_page_17_Picture_5.jpeg)

Photo 6 Drainpipe in center of photo. Beginning of drainpipe in right portion of photo. Test pit 1.

![](_page_18_Picture_0.jpeg)

![](_page_18_Picture_3.jpeg)

Photo 7 Sample location 1708221118-01. Test pit 1.

![](_page_18_Picture_5.jpeg)

Photo 8 Test pits covered with native material and straw/hay..

		TEST	PIT I	.OG	Locati	on ID:	TP-1
	FUSS&O'NEILL	Project Name: <1	Laboren MIC Sheet: 1 of 1				
		Project Location:	Shuter	bury MA	Weath	er: 30	s, chuds
Contract	or Shutesbury Public	Works	Test Pit	Location De	scription:	Min b	widzy footprint
Operator	r:		Date St	ime Complete	22 d: 1118/	2.2	7
F&O Representative: Even & Matt				o Saturated Z	one:C	.5"	
Sample # Prefix: 1708221118 -01.03				Observation: (	lear, u	o ode	2
Photos T	aken? YES NO	weepin	g/ Motung/ 5	tanding			
FIIOTO IN	MITERIAL D			r	ANALY	FICAL SAMPLES	
DEPTH	MATERIAL D	ESCRIPTION	PID	LITHOLOGIC	SAMPLE	DEPTH	
(FT)	DESCRIPTION	1.1.1	PID	CODE	TIME	(FT)	JARS ET RESERVATIVES
0-3"	SaND, t-c; tace gro	vel, submuddi,	0.0	500	-01	11-13"	1 202 ]ar
	Drawn , no orr, net C	10.5		Cro	@1115		1 Vopt-meat
12-24	111-1 - Town			6			2 000 - 20-1
12-21	SLAD T- WIGHT G	me ; no our;	0.0	Sp	a and		PTAS BOZ TON
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and a		a made a second second way would		an a	-		1
1.10					8 3		
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			2.5			1 second	
		and all the second s					
		and the second second second					
		A TAKE AN			2.		
SKETCH	I (Include North arrow) SY' IR-1 BS	Prin Pipe	- ( pri - T	Showdwall te has no contar op of du @ 13	er 7 1 solver, mustim sim pil	when sheen,	trom drivin , or evidence 11°, bottom
Coordin Obtain Yes / 1	ed? No	East/Longitude	REMA Field Ins If refusa	RKS strument ID = l is encounter	= ed, desc <del>r</del> ib	e all effort	s used to confirm.
Pit Dimens	ions 10×4×2	and the	Field De	con: Yes / 1	No / Dedic	ated Devi	65
PROPOR Trace (tr) Little (ltl)	Some (sm)         20 to 3           10 to 20%And         35 to 50%	5%	BACKFI Asphalt /	LL Concrete	1	To	<u></u>
EXAMPL SAND, F- Loose. N	. <b>E DESCRIPTION:</b> M; sm F angular gravel; ltl silt; tr clay; ( 0 odor.	10R 5/4), wet at 7 ft.	Fill Cuttings/ Other	Native	Ô	То То То	bittom
Reviewed 1	by Staff:	And and a second second		a star in	1		in the second second

Q:\EA&R Resources\04 - Field Operations\Field Data Sheets\TestPitFieldData.doc Revised 6/8/2017

## Soil Sampling Field Data

Client/Project Name: Shutesbury	VIC	
Project Location: Shutesbury, MA	PROJECT #: 2009/032 .AZZ	FUSS & O'NEILL
3	Sample Location ID	TOSS&O NEILE
Sample#: 1705221118-02	Dripline	

## Sample Location Description

Building Fortpant SY' estimate = 1 15.07:X	-' <b>1</b>
29'	F
× '54.5'	

	2		
Sample Data	Container	Quantity	Preservative
Date: 11/18/22 Time: 1155	802	١	
Sampler:_EPKWeather: <u>30s</u> , cloudy	4.02	1	
Sampling Device: Auger / Geoprobe / Shovel / Split Spoon / Trowel (Other) While glove, nutre rock			
Field decon: Yes / No / Dedicated			
Type of Sample: Grab / Composite /			
Other 3 pt. grub composite	1		
Sample Depth: <u>4"-6"</u> PetroFLAG / OVM <u>O.O</u>	· · ·	-	1 m 1 2
	12 A		

Comments: Diplice location sampled for DFAS

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**TEST PIT LOG** Location ID: FUSS&O'NEILL Sheet:\_ Project Name: M Project #:\_\_ 2009102 30s, chards Weather:\_\_\_ Project Location: S Ma mterburg Test Pit Location Description: Comer, by Metland Work Contractor: Date Started: 1118 22 Operator: Date/Time Completed: 1118/22 Matt & Evan F&O Representative:\_\_\_\_ Depth to Saturated Zone:\_ Sampling Method: 3 (2026 Composite Water Observation: Clew, no odd Sample # Prefix: 17-38221118-0 Weeping/Mottling/Standing Photos Taken? YES NO Photo Numbers: MATERIAL DESCRIPTION ANALYTICAL SAMPLES DEPTH DEPTH SAMPLE LITHOLOGIC CODE JARS & PRESERVATIVES INTERVAL (FT) PID NO. & DESCRIPTION RANGE (FT) SAND F-C, trace silt; trace growel, subranded; brown; no other; not @ - 01 10-12" 1Soz Jor 0.0 @ 1229 1. UDA - Medy 2 WA-stir Q-15' SAND from; light brown; no oder; met 0.0 - Grandwetter = water from drain pipe hus us odor, sheen, or ordere of contamination land - Top of drain pipe @ 12". SKETCH (Include North arrow) 367' REMARKS North/Latitude East/Longitude Coordinates Field Instrument ID = **Obtained?** If refusal is encountered, describe all efforts used to confirm. Yes / No Pit z' × 15" Dimensions Field Decon: Yes / No / Dedicated Device **PROPORTIONS USED:** Trace (tr) 0 to 10% Some (sm) 20 to 35% BACKFILL Little (Itl) 10 to 20% And 35 to 50% Asphalt / Concrete To Fill To **EXAMPLE DESCRIPTION:** bottom SAND, F-M; sm F angular gravel; ltl silt; tr clay; (10R 5/4), wet at 7 ft. Cuttings/Native To\_ Loose. No odor. Other\_ To Reviewed by Staff:

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![](_page_22_Picture_0.jpeg)

### **REPORT OF ANALYTICAL RESULTS**

### NETLAB Work Order Number: 2K21016 Client Project: 20091032.A22 - Shutesbury Library

Report Date: 02-December-2022

Prepared for:

Matt Kissane Fuss & O'Neill 317 Iron Horse Way Providence, RI 02908

Richard Warila, Laboratory Director New England Testing Laboratory, Inc. 59 Greenhill Street West Warwick, RI 02893 rich.warila@newenglandtesting.com

### Samples Submitted :

The samples listed below were submitted to New England Testing Laboratory on 11/21/22. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is 2K21016. Custody records are included in this report.

Lab ID	Sample	Matrix	Date Sampled	Date Received
2K21016-01	1708221118-01	Soil	11/18/2022	11/21/2022
2K21016-02	1708221118-04	Soil	11/18/2022	11/21/2022
2K21016-03	1708221118-TB	Soil	11/18/2022	11/21/2022

### **Request for Analysis**

At the client's request, the analyses presented in the following table were performed on the samples submitted.

#### 1708221118-01 (Lab Number: 2K21016-01)

Analysis	Method
Arsenic	EPA 6010C
Barium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Lead	EPA 6010C
MADEP EPH	MADEP EPH
MADEP VPH	MADEP VPH
Mercury	EPA 7471B
Nickel	EPA 6010C
PCBs	EPA 8082A
Selenium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C
1708221118-04 (Lab Number: 2K21016-02)	
Analysis	Method
Analysis Arsenic	<u>Method</u> EPA 6010C
<b>Analysis</b> Arsenic Barium	<u>Method</u> EPA 6010C EPA 6010C
<b>Analysis</b> Arsenic Barium Cadmium	<u>Method</u> EPA 6010C EPA 6010C EPA 6010C
<b>Analysis</b> Arsenic Barium Cadmium Chromium	<u>Method</u> EPA 6010C EPA 6010C EPA 6010C EPA 6010C
<b>Analysis</b> Arsenic Barium Cadmium Chromium Lead	<u>Method</u> EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C
<b>Analysis</b> Arsenic Barium Cadmium Chromium Lead MADEP EPH	<u>Method</u> EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C MADEP EPH
Analysis Arsenic Barium Cadmium Chromium Lead MADEP EPH MADEP VPH	Method           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           MADEP EPH           MADEP VPH
Analysis Arsenic Barium Cadmium Chromium Lead MADEP EPH MADEP VPH Mercury	Method           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           MADEP EPH           MADEP VPH           EPA 7471B
Analysis Arsenic Barium Cadmium Chromium Lead MADEP EPH MADEP VPH Mercury Nickel	Method           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           MADEP EPH           MADEP VPH           EPA 7471B           EPA 6010C
Analysis Arsenic Barium Cadmium Chromium Lead MADEP EPH MADEP VPH Mercury Nickel PCBs	Method           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           MADEP EPH           MADEP VPH           EPA 7471B           EPA 6010C           EPA 8082A
Analysis Arsenic Barium Cadmium Chromium Lead MADEP EPH MADEP VPH Mercury Nickel PCBs Selenium	Method           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           MADEP EPH           MADEP VPH           EPA 6010C           EPA 7471B           EPA 6010C           EPA 6010C           EPA 6010C
Analysis Arsenic Barium Cadmium Chromium Lead MADEP EPH MADEP VPH Mercury Nickel PCBs Selenium Volatile Organic Compounds	Method           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           MADEP EPH           MADEP VPH           EPA 6010C           EPA 7471B           EPA 6010C           EPA 6010C           EPA 6010C           EPA 8082A           EPA 6010C           EPA 8082A           EPA 8260C
Analysis Arsenic Barium Cadmium Cadmium Chromium Lead MADEP EPH MADEP VPH Mercury Nickel PCBs Selenium Volatile Organic Compounds Zinc	Method           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           MADEP EPH           MADEP VPH           EPA 6010C           EPA 7471B           EPA 6010C           EPA 6010C           EPA 6010C           EPA 6010C           EPA 8082A           EPA 8010C           EPA 8010C           EPA 6010C           EPA 6010C

<u>Analysis</u>	<u>Method</u>
Volatile Organic Compounds	EPA 8260C

### Method References

*Method for the Determination of Extractable Petroleum Hydrocarbons, Rev. 2.1*, Massachusetts Department of Environmental Protection, 2004

*Method for the Determination of Volatile Petroleum Hydrocarbons, Rev. 2.1*, Massachusetts Department of Environmental Protection, 2018

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, USEPA

### **Case Narrative**

### Sample Receipt:

The samples associated with this work order were received in appropriately cooled and preserved containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Exceptions: None

### Analysis:

All samples were prepared and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control requirements and allowances. Results for all soil samples, unless otherwise indicated, are reported on a dry weight basis.

Exceptions: None

### **Results: Total Metals**

### Sample: 1708221118-01 Lab Number: 2K21016-01 (Soil)

\_\_\_\_

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Arsenic	1.62		1.37	mg/kg	11/22/22	11/30/22
Barium	44.8		0.45	mg/kg	11/22/22	11/30/22
Cadmium	1.26		0.69	mg/kg	11/22/22	11/30/22
Chromium	10.4		0.69	mg/kg	11/22/22	11/30/22
Lead	38.2		0.69	mg/kg	11/22/22	11/30/22
Mercury	ND		0.202	mg/kg	11/30/22	11/30/22
Nickel	10.5		0.69	mg/kg	11/22/22	11/30/22
Selenium	ND		1.37	mg/kg	11/22/22	11/30/22
Zinc	108		2.7	mg/kg	11/22/22	11/30/22

### **Results: Total Metals**

### Sample: 1708221118-04 Lab Number: 2K21016-02 (Soil)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Arsenic	1.65		1.25	mg/kg	11/22/22	11/30/22
Barium	19.4		0.41	mg/kg	11/22/22	11/30/22
Cadmium	0.97		0.63	mg/kg	11/22/22	11/30/22
Chromium	7.87		0.63	mg/kg	11/22/22	11/30/22
Lead	36.9		0.63	mg/kg	11/22/22	11/30/22
Mercury	ND		0.197	mg/kg	11/30/22	11/30/22
Nickel	9.26		0.63	mg/kg	11/22/22	11/30/22
Selenium	ND		1.25	mg/kg	11/22/22	11/30/22
Zinc	50.5		2.5	mg/kg	11/22/22	11/30/22

### **Results: Volatile Organic Compounds**

#### Sample: 1708221118-01 Lab Number: 2K21016-01 (Soil)

#### Reporting **Date Analyzed** Analyte Result Qual Limit Units **Date Prepared** 12/01/22 Acetone ND 8 ug/kg 12/01/22 Benzene ND 8 ug/kg 12/01/22 12/01/22 ND 8 12/01/22 12/01/22 Bromobenzene ug/kg Bromochloromethane ND 8 12/01/22 12/01/22 ug/kg 8 12/01/22 Bromodichloromethane ND 12/01/22 ug/kg Bromoform ND 8 ug/kg 12/01/22 12/01/22 Bromomethane ND 8 12/01/22 12/01/22 ug/kg 2-Butanone ND 8 ug/kg 12/01/22 12/01/22 tert-Butyl alcohol ND 8 ug/kg 12/01/22 12/01/22 sec-Butylbenzene ND 8 ug/kg 12/01/22 12/01/22 n-Butylbenzene ND 8 ug/kg 12/01/22 12/01/22 tert-Butylbenzene ND 8 ug/kg 12/01/22 12/01/22 Methyl t-butyl ether (MTBE) ND 8 ug/kg 12/01/22 12/01/22 Carbon Disulfide ND 8 ug/kg 12/01/22 12/01/22 Carbon Tetrachloride ND 8 ug/kg 12/01/22 12/01/22 Chlorobenzene ND 8 12/01/22 12/01/22 ug/kg 8 12/01/22 Chloroethane ND ug/kg 12/01/22 Chloroform ND 11 12/01/22 12/01/22 ug/kg Chloromethane ND 27 12/01/22 12/01/22 ug/kg 4-Chlorotoluene ND 8 12/01/22 12/01/22 ug/kg 2-Chlorotoluene ND 8 ug/kg 12/01/22 12/01/22 1,2-Dibromo-3-chloropropane (DBCP) ND 8 ug/kg 12/01/22 12/01/22 Dibromochloromethane ND 8 12/01/22 12/01/22 ug/kg 1,2-Dibromoethane (EDB) ND 8 12/01/22 12/01/22 ug/kg Dibromomethane ND 8 12/01/22 12/01/22 ug/kg 1,2-Dichlorobenzene ND 8 12/01/22 12/01/22 ug/kg 8 1,3-Dichlorobenzene ND ug/kg 12/01/22 12/01/22 1,4-Dichlorobenzene ND 8 ug/kg 12/01/22 12/01/22 1,1-Dichloroethane ND 8 ug/kg 12/01/22 12/01/22 1,2-Dichloroethane ND 8 ug/kg 12/01/22 12/01/22 8 ND 12/01/22 12/01/22 trans-1,2-Dichloroethene ug/kg 8 12/01/22 cis-1,2-Dichloroethene ND ug/kg 12/01/22 ND 8 12/01/22 12/01/22 1.1-Dichloroethene ug/kg 1,2-Dichloropropane ND 8 12/01/22 12/01/22 ug/kg 8 2,2-Dichloropropane ND ug/kg 12/01/22 12/01/22 cis-1,3-Dichloropropene ND 8 ug/kg 12/01/22 12/01/22 trans-1,3-Dichloropropene ND 8 12/01/22 12/01/22 ug/kg 1,1-Dichloropropene ND 8 12/01/22 12/01/22 ug/kg ND 8 12/01/22 1,3-Dichloropropene (cis + trans) 12/01/22 ug/kg Diethyl ether ND 13 ug/kg 12/01/22 12/01/22 1,4-Dioxane ND 156 12/01/22 12/01/22 ug/kg Ethylbenzene ND 8 ug/kg 12/01/22 12/01/22 Hexachlorobutadiene ND 8 ug/kg 12/01/22 12/01/22 2-Hexanone ND 8 ug/kg 12/01/22 12/01/22 Isopropylbenzene ND 8 ug/kg 12/01/22 12/01/22 8 12/01/22 p-Isopropyltoluene ND ug/kg 12/01/22 Methylene Chloride ND 108 ug/kg 12/01/22 12/01/22

8

ug/kg

12/01/22

ND

4-Methyl-2-pentanone

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### Results: Volatile Organic Compounds (Continued)

### Sample: 1708221118-01 (Continued)

Lab Number: 2K21016-01 (Soil)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Naphthalene	ND		8	ug/kg	12/01/22	12/01/22
n-Propylbenzene	ND		8	ug/kg	12/01/22	12/01/22
Styrene	ND		8	ug/kg	12/01/22	12/01/22
1,1,1,2-Tetrachloroethane	ND		8	ug/kg	12/01/22	12/01/22
Tetrachloroethene	ND		8	ug/kg	12/01/22	12/01/22
Tetrahydrofuran	ND		8	ug/kg	12/01/22	12/01/22
Toluene	ND		8	ug/kg	12/01/22	12/01/22
1,2,4-Trichlorobenzene	ND		8	ug/kg	12/01/22	12/01/22
1,2,3-Trichlorobenzene	ND		8	ug/kg	12/01/22	12/01/22
1,1,2-Trichloroethane	ND		8	ug/kg	12/01/22	12/01/22
1,1,1-Trichloroethane	ND		8	ug/kg	12/01/22	12/01/22
Trichloroethene	ND		8	ug/kg	12/01/22	12/01/22
1,2,3-Trichloropropane	ND		8	ug/kg	12/01/22	12/01/22
1,3,5-Trimethylbenzene	ND		8	ug/kg	12/01/22	12/01/22
1,2,4-Trimethylbenzene	ND		8	ug/kg	12/01/22	12/01/22
Vinyl Chloride	ND		8	ug/kg	12/01/22	12/01/22
o-Xylene	ND		8	ug/kg	12/01/22	12/01/22
m&p-Xylene	ND		16	ug/kg	12/01/22	12/01/22
Total xylenes	ND		8	ug/kg	12/01/22	12/01/22
1,1,2,2-Tetrachloroethane	ND		8	ug/kg	12/01/22	12/01/22
tert-Amyl methyl ether	ND		8	ug/kg	12/01/22	12/01/22
1,3-Dichloropropane	ND		8	ug/kg	12/01/22	12/01/22
Ethyl tert-butyl ether	ND		8	ug/kg	12/01/22	12/01/22
Diisopropyl ether	ND		8	ug/kg	12/01/22	12/01/22
Trichlorofluoromethane	ND		8	ug/kg	12/01/22	12/01/22
Dichlorodifluoromethane	ND		8	ug/kg	12/01/22	12/01/22
Surrogate(s)	Recovery%		Limit	S		
4-Bromofluorobenzene	98.4%		70-13	20	12/01/22	12/01/22
1,2-Dichloroethane-d4	98.8%		70-13	0	12/01/22	12/01/22
Toluene-d8	102%		70-13	0	12/01/22	12/01/22

### **Results: Volatile Organic Compounds**

## Sample: 1708221118-04

### Lab Number: 2K21016-02 (Soil)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Acetone	ND		7	ua/ka	12/01/22	12/01/22
Benzene	ND		7	ua/ka	12/01/22	12/01/22
Bromobenzene	ND		7	ua/ka	12/01/22	12/01/22
Bromochloromethane	ND		7	ua/ka	12/01/22	12/01/22
Bromodichloromethane	ND		7	ua/ka	12/01/22	12/01/22
Bromoform	ND		7	ua/ka	12/01/22	12/01/22
Bromomethane	ND		7	ua/ka	12/01/22	12/01/22
2-Butanone	ND		7	ua/ka	12/01/22	12/01/22
tert-Butyl alcohol	ND		7	ua/ka	12/01/22	12/01/22
sec-Butylbenzene	ND		7	ua/ka	12/01/22	12/01/22
n-Butylbenzene	ND		7	ua/ka	12/01/22	12/01/22
tert-Butylbenzene	ND		7	ua/ka	12/01/22	12/01/22
Methyl t-butyl ether (MTBE)	ND		7	ua/ka	12/01/22	12/01/22
Carbon Disulfide	ND		7	ua/ka	12/01/22	12/01/22
Carbon Tetrachloride	ND		7	ua/ka	12/01/22	12/01/22
Chlorobenzene	ND		7	ua/ka	12/01/22	12/01/22
Chloroethane	ND		7	ua/ka	12/01/22	12/01/22
Chloroform	ND		9	ua/ka	12/01/22	12/01/22
Chloromethane	ND		23	ua/ka	12/01/22	12/01/22
4-Chlorotoluene	ND		7	ua/ka	12/01/22	12/01/22
2-Chlorotoluene	ND		7	ua/ka	12/01/22	12/01/22
1.2-Dibromo-3-chloropropane (DBCP)	ND		7	ua/ka	12/01/22	12/01/22
Dibromochloromethane	ND		7	ua/ka	12/01/22	12/01/22
1.2-Dibromoethane (EDB)	ND		7	ua/ka	12/01/22	12/01/22
Dibromomethane	ND		7	ua/ka	12/01/22	12/01/22
1.2-Dichlorobenzene	ND		7	ua/ka	12/01/22	12/01/22
1,3-Dichlorobenzene	ND		7	ua/ka	12/01/22	12/01/22
1,4-Dichlorobenzene	ND		7	ug/kg	12/01/22	12/01/22
1.1-Dichloroethane	ND		7	ua/ka	12/01/22	12/01/22
1,2-Dichloroethane	ND		7	ug/kg	12/01/22	12/01/22
trans-1,2-Dichloroethene	ND		7	ug/kg	12/01/22	12/01/22
cis-1,2-Dichloroethene	ND		7	ug/kg	12/01/22	12/01/22
1,1-Dichloroethene	ND		7	ug/kg	12/01/22	12/01/22
1,2-Dichloropropane	ND		7	ug/kg	12/01/22	12/01/22
2,2-Dichloropropane	ND		7	ug/kg	12/01/22	12/01/22
cis-1,3-Dichloropropene	ND		7	ug/kg	12/01/22	12/01/22
trans-1,3-Dichloropropene	ND		7	ug/kg	12/01/22	12/01/22
1,1-Dichloropropene	ND		7	ug/kg	12/01/22	12/01/22
1,3-Dichloropropene (cis + trans)	ND		7	ug/kg	12/01/22	12/01/22
Diethyl ether	ND		11	ug/kg	12/01/22	12/01/22
1,4-Dioxane	ND		134	ug/kg	12/01/22	12/01/22
Ethylbenzene	ND		7	ug/kg	12/01/22	12/01/22
Hexachlorobutadiene	ND		7	ug/kg	12/01/22	12/01/22
2-Hexanone	ND		7	ug/kg	12/01/22	12/01/22
Isopropylbenzene	ND		7	ug/kg	12/01/22	12/01/22
p-Isopropyltoluene	ND		7	ug/kg	12/01/22	12/01/22
Methylene Chloride	ND		93	ug/kg	12/01/22	12/01/22
4-Methyl-2-pentanone	ND		7	ug/kg	12/01/22	12/0 Page 9 of 38

### Results: Volatile Organic Compounds (Continued)

### Sample: 1708221118-04 (Continued)

Lab Number: 2K21016-02 (Soil)

			Reporting		<b>.</b>	
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Naphthalene	ND		7	ug/kg	12/01/22	12/01/22
n-Propylbenzene	ND		7	ug/kg	12/01/22	12/01/22
Styrene	ND		7	ug/kg	12/01/22	12/01/22
1,1,1,2-Tetrachloroethane	ND		7	ug/kg	12/01/22	12/01/22
Tetrachloroethene	ND		7	ug/kg	12/01/22	12/01/22
Tetrahydrofuran	ND		7	ug/kg	12/01/22	12/01/22
Toluene	ND		7	ug/kg	12/01/22	12/01/22
1,2,4-Trichlorobenzene	ND		7	ug/kg	12/01/22	12/01/22
1,2,3-Trichlorobenzene	ND		7	ug/kg	12/01/22	12/01/22
1,1,2-Trichloroethane	ND		7	ug/kg	12/01/22	12/01/22
1,1,1-Trichloroethane	ND		7	ug/kg	12/01/22	12/01/22
Trichloroethene	ND		7	ug/kg	12/01/22	12/01/22
1,2,3-Trichloropropane	ND		7	ug/kg	12/01/22	12/01/22
1,3,5-Trimethylbenzene	ND		7	ug/kg	12/01/22	12/01/22
1,2,4-Trimethylbenzene	ND		7	ug/kg	12/01/22	12/01/22
Vinyl Chloride	ND		7	ug/kg	12/01/22	12/01/22
o-Xylene	ND		7	ug/kg	12/01/22	12/01/22
m&p-Xylene	ND		13	ug/kg	12/01/22	12/01/22
Total xylenes	ND		7	ug/kg	12/01/22	12/01/22
1,1,2,2-Tetrachloroethane	ND		7	ug/kg	12/01/22	12/01/22
tert-Amyl methyl ether	ND		7	ug/kg	12/01/22	12/01/22
1,3-Dichloropropane	ND		7	ug/kg	12/01/22	12/01/22
Ethyl tert-butyl ether	ND		7	ug/kg	12/01/22	12/01/22
Diisopropyl ether	ND		7	ug/kg	12/01/22	12/01/22
Trichlorofluoromethane	ND		7	ug/kg	12/01/22	12/01/22
Dichlorodifluoromethane	ND		7	ug/kg	12/01/22	12/01/22
Surrogate(s)	Recovery%		Limi	its		
4-Bromofluorobenzene	98.5%		70-1	30	12/01/22	12/01/22
1,2-Dichloroethane-d4	98.4%		70-1	30	12/01/22	12/01/22
Toluene-d8	103%		70-1	30	12/01/22	12/01/22

### **Results: Volatile Organic Compounds**

### Sample: 1708221118-TB

### Lab Number: 2K21016-03 (Soil)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Acetone	ND		1000	ug/kg	11/30/22	12/01/22
Benzene	ND		50	ug/kg	11/30/22	12/01/22
Bromobenzene	ND		50	ug/kg	11/30/22	12/01/22
Bromochloromethane	ND		50	ug/kg	11/30/22	12/01/22
Bromodichloromethane	ND		50	ug/kg	11/30/22	12/01/22
Bromoform	ND		50	ug/kg	11/30/22	12/01/22
Bromomethane	ND		50	ug/kg	11/30/22	12/01/22
2-Butanone	ND		250	ug/kg	11/30/22	12/01/22
tert-Butyl alcohol	ND		250	ug/kg	11/30/22	12/01/22
sec-Butylbenzene	ND		50	ug/kg	11/30/22	12/01/22
n-Butylbenzene	ND		50	ug/kg	11/30/22	12/01/22
tert-Butylbenzene	ND		50	ug/kg	11/30/22	12/01/22
Methyl t-butyl ether (MTBE)	ND		50	ug/kg	11/30/22	12/01/22
Carbon Disulfide	ND		50	ug/kg	11/30/22	12/01/22
Carbon Tetrachloride	ND		50	ug/kg	11/30/22	12/01/22
Chlorobenzene	ND		50	ug/kg	11/30/22	12/01/22
Chloroethane	ND		50	ug/kg	11/30/22	12/01/22
Chloroform	ND		50	ug/kg	11/30/22	12/01/22
Chloromethane	ND		50	ug/kg	11/30/22	12/01/22
4-Chlorotoluene	ND		50	ug/kg	11/30/22	12/01/22
2-Chlorotoluene	ND		50	ug/kg	11/30/22	12/01/22
1,2-Dibromo-3-chloropropane (DBCP)	ND		50	ug/kg	11/30/22	12/01/22
Dibromochloromethane	ND		50	ug/kg	11/30/22	12/01/22
1,2-Dibromoethane (EDB)	ND		50	ug/kg	11/30/22	12/01/22
Dibromomethane	ND		50	ug/kg	11/30/22	12/01/22
1,2-Dichlorobenzene	ND		50	ug/kg	11/30/22	12/01/22
1,3-Dichlorobenzene	ND		50	ug/kg	11/30/22	12/01/22
1,4-Dichlorobenzene	ND		50	ug/kg	11/30/22	12/01/22
1,1-Dichloroethane	ND		50	ug/kg	11/30/22	12/01/22
1,2-Dichloroethane	ND		50	ug/kg	11/30/22	12/01/22
trans-1,2-Dichloroethene	ND		50	ug/kg	11/30/22	12/01/22
cis-1,2-Dichloroethene	ND		50	ug/kg	11/30/22	12/01/22
1,1-Dichloroethene	ND		50	ug/kg	11/30/22	12/01/22
1,2-Dichloropropane	ND		50	ug/kg	11/30/22	12/01/22
2,2-Dichloropropane	ND		50	ug/kg	11/30/22	12/01/22
cis-1,3-Dichloropropene	ND		50	ug/kg	11/30/22	12/01/22
trans-1,3-Dichloropropene	ND		50	ug/kg	11/30/22	12/01/22
1,1-Dichloropropene	ND		50	ug/kg	11/30/22	12/01/22
1,3-Dichloropropene (cis + trans)	ND		100	ug/kg	11/30/22	12/01/22
Diethyl ether	ND		250	ug/kg	11/30/22	12/01/22
1,4-Dioxane	ND		5000	ug/kg	11/30/22	12/01/22
Ethylbenzene	ND		50	ug/kg	11/30/22	12/01/22
Hexachlorobutadiene	ND		50	ug/kg	11/30/22	12/01/22
2-Hexanone	ND		250	ug/kg	11/30/22	12/01/22
Isopropylbenzene	ND		50	ug/kg	11/30/22	12/01/22
p-Isopropyltoluene	ND		50	ug/kg	11/30/22	12/01/22
Methylene Chloride	ND		100	ug/kg	11/30/22	12/01/22
4-Methyl-2-pentanone	ND		250	ug/kg	11/30/22	<sup>12/0</sup> Page 11 of 38

### Results: Volatile Organic Compounds (Continued)

### Sample: 1708221118-TB (Continued)

Lab Number: 2K21016-03 (Soil)

			Reporting			
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Naphthalene	ND		50	ug/kg	11/30/22	12/01/22
n-Propylbenzene	ND		50	ug/kg	11/30/22	12/01/22
Styrene	ND		50	ug/kg	11/30/22	12/01/22
1,1,1,2-Tetrachloroethane	ND		50	ug/kg	11/30/22	12/01/22
Tetrachloroethene	ND		50	ug/kg	11/30/22	12/01/22
Tetrahydrofuran	ND		250	ug/kg	11/30/22	12/01/22
Toluene	ND		50	ug/kg	11/30/22	12/01/22
1,2,4-Trichlorobenzene	ND		50	ug/kg	11/30/22	12/01/22
1,2,3-Trichlorobenzene	ND		50	ug/kg	11/30/22	12/01/22
1,1,2-Trichloroethane	ND		50	ug/kg	11/30/22	12/01/22
1,1,1-Trichloroethane	ND		50	ug/kg	11/30/22	12/01/22
Trichloroethene	ND		50	ug/kg	11/30/22	12/01/22
1,2,3-Trichloropropane	ND		50	ug/kg	11/30/22	12/01/22
1,3,5-Trimethylbenzene	ND		50	ug/kg	11/30/22	12/01/22
1,2,4-Trimethylbenzene	ND		50	ug/kg	11/30/22	12/01/22
Vinyl Chloride	ND		50	ug/kg	11/30/22	12/01/22
o-Xylene	ND		50	ug/kg	11/30/22	12/01/22
m&p-Xylene	ND		100	ug/kg	11/30/22	12/01/22
Total xylenes	ND		50	ug/kg	11/30/22	12/01/22
1,1,2,2-Tetrachloroethane	ND		50	ug/kg	11/30/22	12/01/22
tert-Amyl methyl ether	ND		50	ug/kg	11/30/22	12/01/22
1,3-Dichloropropane	ND		50	ug/kg	11/30/22	12/01/22
Ethyl tert-butyl ether	ND		50	ug/kg	11/30/22	12/01/22
Diisopropyl ether	ND		50	ug/kg	11/30/22	12/01/22
Trichlorofluoromethane	ND		50	ug/kg	11/30/22	12/01/22
Dichlorodifluoromethane	ND		50	ug/kg	11/30/22	12/01/22
Surrogate(s)	Recovery%		Limit	S 		
4-Bromofluorobenzene	100%		70-13	0	11/30/22	12/01/22
1,2-Dichloroethane-d4	95.0%		70-13	0	11/30/22	12/01/22
Toluene-d8	97.7%		70-13	0	11/30/22	12/01/22

### Volatile Petroleum Hydrocarbons Sample: 1708221118-01 (2K21016-01)

#### SAMPLE INFORMATION

Matrix	Soil				
Containers	Satisfactory				
	Aqueous	NA			
Sample	Soil or	Preserved with methanol and/or in an air-tight container	ml methanol		
Fleseivation	Sediment	Methanol preserved (covering sample)	per gram soil:		
		Received in air-tight container			
Temperature	perature Received on Ice Received at: 4+/-2 C <sup>o</sup>				

#### VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH-18-2.1	Client ID 1708221118-01					
Method for Target Analytes: EPA Method 8260C			L	ab ID	2K21016-01	
VPH Surrogate Standards:			Date Col	lected	11/18/22	
PID: 2,5-Dibromotoluene			Date Red	ceived	11/21/22	
FID: 2,5-Dibromotoluene			% M	oisture	21.50	
RANGE/TARGET ANALYTE	Elution Range	Dilution	RL	Units	Result	Analyzed
Unadjusted C5-C8 Aliphatic Hydrocarbons [1]	NA	50X	7.7	mg/kg	<7.7	11/29/22 16:47
Unadjusted C9-C12 Aliphatic Hydrocarbons [1]	NA	50X	7.7	mg/kg	<7.7	11/29/22 16:47
C5-C8 Aliphatic Hydrocarbons [1,2]	NA	50X	7.7	mg/kg	<7.7	11/29/22 16:47
C9-C12 Aliphatic Hydrocarbons [1,3]	NA	50X	7.7	mg/kg	<7.7	11/29/22 16:47
C9-C10 Aromatic Hydrocarbons [1]	NA	50X	7.7	mg/kg	<7.7	11/29/22 16:47
2,5-Dibromotoluene-PID				%	77.0	11/29/22 16:47
2,5-Dibromotoluene-FID				%	77.9	11/29/22 16:47
Surrogate Acceptance Range				%	70-130	

[1] Hydrocarbon Range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range

[2] C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3] C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons

### Volatile Petroleum Hydrocarbons Sample: 1708221118-04 (2K21016-02)

#### SAMPLE INFORMATION

Matrix	Soil			
Containers	Satisfactory			
	Aqueous	NA		
Sample Preservation	Soil or	Preserved with methanol and/or in an air-tight container	ml methanol	
	Sediment	Methanol preserved (covering sample)	per gram soil: 1:1 +/- 25%	
		Received in air-tight container		
Temperature	Received on Ice Received at: 4+/-2 C°			

#### VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH-18-2.1			Clie	nt ID	1708221118-04	
Method for Target Analytes: EPA Method 8260C			L	ab ID	2K21016-02	
VPH Surrogate Standards:			Date Col	lected	11/18/22	
PID: 2,5-Dibromotoluene			Date Red	ceived	11/21/22	
FID: 2,5-Dibromotoluene			% M	oisture	17.20	
RANGE/TARGET ANALYTE	Elution Range	Dilution	RL	Units	Result	Analyzed
Unadjusted C5-C8 Aliphatic Hydrocarbons [1]	NA	50X	7.1	mg/kg	<7.1	11/29/22 17:19
Unadjusted C9-C12 Aliphatic Hydrocarbons [1]	NA	50X	7.1	mg/kg	<7.1	11/29/22 17:19
C5-C8 Aliphatic Hydrocarbons [1,2]	NA	50X	7.1	mg/kg	<7.1	11/29/22 17:19
C9-C12 Aliphatic Hydrocarbons [1,3]	NA	50X	7.1	mg/kg	<7.1	11/29/22 17:19
C9-C10 Aromatic Hydrocarbons [1]	NA	50X	7.1	mg/kg	<7.1	11/29/22 17:19
2,5-Dibromotoluene-PID				%	77.5	11/29/22 17:19
2,5-Dibromotoluene-FID				%	76.9	11/29/22 17:19
Surrogate Acceptance Range				%	70-130	

[1] Hydrocarbon Range data excludes concentrations of any surrogate(s) and/or internal standards eluting in that range

[2] C5-C8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3] C9-C12 Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C9-C10 Aromatic Hydrocarbons

### **Results: Polychlorinated Biphenyls (PCBs)**

### Sample: 1708221118-01 Lab Number: 2K21016-01 (Soil)

Reporting						
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		83	ug/kg	11/21/22	11/30/22
Aroclor-1221	ND		83	ug/kg	11/21/22	11/30/22
Aroclor-1232	ND		83	ug/kg	11/21/22	11/30/22
Aroclor-1242	ND		83	ug/kg	11/21/22	11/30/22
Aroclor-1248	ND		83	ug/kg	11/21/22	11/30/22
Aroclor-1254	ND		83	ug/kg	11/21/22	11/30/22
Aroclor-1260	ND		83	ug/kg	11/21/22	11/30/22
Aroclor-1262	ND		83	ug/kg	11/21/22	11/30/22
Aroclor-1268	ND		83	ug/kg	11/21/22	11/30/22
PCBs (Total)	ND		83	ug/kg	11/21/22	11/30/22
Surrogate(s)	Recovery%		Limit	5		
2,4,5,6-Tetrachloro-m-xylene (TCMX )	70.9%		36.2-1.	30	11/21/22	11/30/22
Decachlorobiphenyl (DCBP)	63.0%		43.3-1.	30	11/21/22	11/30/22

### **Results: Polychlorinated Biphenyls (PCBs)**

### Sample: 1708221118-04 Lab Number: 2K21016-02 (Soil)

Reporting						
Analyte	Result	Qual	Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		78	ug/kg	11/21/22	11/30/22
Aroclor-1221	ND		78	ug/kg	11/21/22	11/30/22
Aroclor-1232	ND		78	ug/kg	11/21/22	11/30/22
Aroclor-1242	ND		78	ug/kg	11/21/22	11/30/22
Aroclor-1248	ND		78	ug/kg	11/21/22	11/30/22
Aroclor-1254	ND		78	ug/kg	11/21/22	11/30/22
Aroclor-1260	ND		78	ug/kg	11/21/22	11/30/22
Aroclor-1262	ND		78	ug/kg	11/21/22	11/30/22
Aroclor-1268	ND		78	ug/kg	11/21/22	11/30/22
PCBs (Total)	ND		78	ug/kg	11/21/22	11/30/22
Surrogate(s)	Recovery%		Limit	S		
2,4,5,6-Tetrachloro-m-xylene (TCMX )	59.0%		36.2-1	30	11/21/22	11/30/22
Decachlorobiphenyl (DCBP)	66.4%		43.3-130		11/21/22	11/30/22

### Extractable Petroleum Hydrocarbons Sample: 1708221118-01 (2K21016-01)

#### SAMPLE INFORMATION

Matrix	Soil
Containers	Satisfactory
Aqueous Preservatives	NA
Temperature	Received on Ice Received at: 4+/-2 C°
Extraction Method	EPA Method 3546

#### **EPH ANALYTICAL RESULTS**

Method for Ranges: MADEP EPH 4-1.1				Client ID	1708221118-01		
Method for Target Analytes: MADEP EPH 4-1.1				Lab ID	2K21016-01		
EPH Surrogate Standards:			Dat	te Collected	11/18/22		
Aliphatic: Chlorooctadecane			Da	te Received	11/21/22		
Aromatic: o-Terphenyl			D	ate Thawed	NA		
			Dat	e Extracted	11/27/22		
EPH Fractionation Surrogates	:		Perce	nt Moisture	21.50		
(1) 2-Fluorobiphenyl (2) 2-Bromonaphthalene							
RANGE/TARGET ANALYTE	l l	Dilution	RL	Units	Result	Analyzed	
Unadjusted C11-C22 Arom	atic Hydrocarbons [1]	1X	8.44	mg/kg	67.7	12/02/22 02:17	
	Naphthalene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
Diesel PAH	2-Methylnaphthalene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
Analytes	Phenanthrene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
	Acenaphthene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
	Acenaphthylene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
1	Fluorene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
	Anthracene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
	Fluoranthene	1X	0.42	mg/kg	0.98	12/02/22 02:17	
	Pyrene	1X	0.42	mg/kg	0.89	12/02/22 02:17	
	Benzo(a)anthracene	1X	0.42	mg/kg	0.67	12/02/22 02:17	
Other	Chrysene	1X	0.42	mg/kg	0.78	12/02/22 02:17	
Target PAH	Benzo(b)fluoranthene	1X	0.42	mg/kg	0.66	12/02/22 02:17	
Analytes	Benzo(k)fluoranthene	1X	0.42	mg/kg	0.59	12/02/22 02:17	
	Benzo(a)pyrene	1X	0.42	mg/kg	0.61	12/02/22 02:17	
	Indeno(1,2,3-cd)pyrene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
	Dibenz(a,h)anthracene	1X	0.42	mg/kg	<0.42	12/02/22 02:17	
	Benzo(g,h,i)perylene	1X	0.42	mg/kg	0.42	12/02/22 02:17	
C9-C18 Aliphatic Hydrocar	bons [1]	1X	16.8	mg/kg	<16.8	12/01/22 14:20	
C19-C36 Aliphatic Hydrocarbons [1]		1X	16.8	mg/kg	165	12/01/22 14:20	
C11-C22 Aromatic Hydroca	arbons [1,2]	1X	8.44	mg/kg	62.1	12/02/22 02:17	
Chlorooctadecane (Sample	e Surrogate)			%	64.4	12/01/22 14:20	
o-Terphenyl (Sample Surr	ogate)			%	65.1	12/02/22 02:17	
2-Fluorobiphenyl (Fraction	ation Surrogate)			%	78.3	12/02/22 02:17	
2-Bromonaphthalene (Fra	ctionation Surrogate)			%	76.7	12/02/22 02:17	
Surrogate Acceptance Range [	3]			%	40 - 140		

[1] Hydrocarbon range data excludes area counts of any surrogate(s) and/or internal standards eluting in that range.

[2] C11-C22 Aromatic Hydrocarbons excludes the concentration of Target PAH Analytes.

[3] See the case narrative in cases where a dash (-) is entered in the surrogate recovery block.

### Extractable Petroleum Hydrocarbons Sample: 1708221118-04 (2K21016-02)

#### SAMPLE INFORMATION

Matrix	Soil
Containers	Satisfactory
Aqueous Preservatives	NA
Temperature	Received on Ice Received at: 4+/-2 C°
Extraction Method	EPA Method 3546

#### **EPH ANALYTICAL RESULTS**

Method for Ranges: MADEP E	PH 4-1.1			Client ID	1708221118-04			
Method for Target Analytes: I	Madep EPH 4-1.1			Lab ID	2K21016-02			
EPH Surrogate Standards:			Dat	te Collected	11/18/22			
Aliphatic: Chlorooctadecane			Da	te Received	11/21/22			
Aromatic: o-Terphenyl			D	ate Thawed	NA			
			Dat	e Extracted	11/27/22			
EPH Fractionation Surrogates	:		Perce	nt Moisture	17.20			
(1) 2-Fluoropipnenyl (2) 2-Bromonaphthalene								
RANGE/TARGET ANALYTE	l l	Dilution	RL	Units	Result	Analyzed		
Unadjusted C11-C22 Arom	atic Hydrocarbons [1]	1X	8.00	mg/kg	26.5	12/02/22 01:32		
	Naphthalene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
Diesel PAH	2-Methylnaphthalene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
Analytes	Analytes Phenanthrene		0.40	mg/kg	<0.40	12/02/22 01:32		
	Acenaphthene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
	Acenaphthylene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
	Fluorene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
	Anthracene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
	Fluoranthene	1X	0.40	mg/kg	0.87	12/02/22 01:32		
	Pyrene	1X	0.40	mg/kg	0.78	12/02/22 01:32		
	Benzo(a)anthracene	1X	0.40	mg/kg	0.60	12/02/22 01:32		
Other	Chrysene	1X	0.40	mg/kg	0.67	12/02/22 01:32		
Target PAH	Benzo(b)fluoranthene	1X	0.40	mg/kg	0.49	12/02/22 01:32		
Analytes	Benzo(k)fluoranthene	1X	0.40	mg/kg	0.53	12/02/22 01:32		
	Benzo(a)pyrene	1X	0.40	mg/kg	0.54	12/02/22 01:32		
	Indeno(1,2,3-cd)pyrene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
	Dibenz(a,h)anthracene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
	Benzo(g,h,i)perylene	1X	0.40	mg/kg	<0.40	12/02/22 01:32		
C9-C18 Aliphatic Hydrocar	bons [1]	1X	15.9	mg/kg	<15.9	12/01/22 14:44		
C19-C36 Aliphatic Hydroca	arbons [1]	1X	15.9	mg/kg	<15.9	12/01/22 14:44		
C11-C22 Aromatic Hydroca	arbons [1,2]	1X	8.00	mg/kg	22.0	12/02/22 01:32		
Chlorooctadecane (Sample	e Surrogate)			%	46.5	12/01/22 14:44		
o-Terphenyl (Sample Surro	ogate)			%	41.5	12/02/22 01:32		
2-Fluorobiphenyl (Fraction	ation Surrogate)			%	62.2	12/02/22 01:32		
2-Bromonaphthalene (Frac	2-Bromonaphthalene (Fractionation Surrogate)			%	58.2	12/02/22 01:32		
Surrogate Acceptance Range [	3]			%	40 - 140			

[1] Hydrocarbon range data excludes area counts of any surrogate(s) and/or internal standards eluting in that range.

[2] C11-C22 Aromatic Hydrocarbons excludes the concentration of Target PAH Analytes.

[3] See the case narrative in cases where a dash (-) is entered in the surrogate recovery block.

### **Quality Control**

### Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2K1209 - Metals Di	aestion Soils									
Blank (B2K1209-BI K1)	<b>J</b>			F	Prenared: 11/2	2/22 Analyze	d. 11/29/22			
Selenium	ND		1.00	ma/ka		<i>2,22 7 (10)20</i>				
Arsenic	ND		1.00	ma/ka						
Barium	ND		0.33	ma/ka						
Zinc	ND		2.0	ma/ka						
Cadmium	ND		0.50	ma/ka						
Chromium	ND		0.50	ma/ka						
Lead	ND		0.50	ma/ka						
Nickel	ND		0.50	ma/ka						
	ND		0.50	ing/kg						
LCS (B2K1209-BS1)				F	Prepared: 11/2	2/22 Analyze	d: 11/29/22			
Zinc	91.0		2.0	mg/kg	100		91.0	85-115		
Lead	85.1		0.50	mg/kg	100		85.1	85-115		
Chromium	89.0		0.50	mg/kg	100		89.0	85-115		
Cadmium	88.0		0.50	mg/kg	100		88.0	85-115		
Barium	86.0		0.33	mg/kg	100		86.0	85-115		
Arsenic	17.6		1.00	mg/kg	20.0		88.2	85-115		
Nickel	87.0		0.50	mg/kg	100		87.0	85-112		
Selenium	17.4		1.00	mg/kg	20.0		87.1	85-115		
Batch: B2K1473 - Metals Co	old-Vapor Mercu	ry								
Blank (B2K1473-BLK1)	-	-			Prepared 8	Analyzed: 1	1/30/22			
Mercury	ND		0.140	mg/kg		·	-			
LCS (B2K1473-BS1)					Prepared 8	Analyzed: 1	1/30/22			
Mercury	0.510		0.140	mg/kg	0.500		102	93-114		

			Quality (Conti	Control						
Volatile Organic Compounds										
Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2L0087 - EPA 5035										
Blank (B2L0087-BLK1)				Pr	epared: 12/0	)1/22 Analyze	ed: 12/02/22			
Acetone	ND		5	ug/kg	· · · · · · ·	, ,				
Benzene	ND		5	ug/kg						
Bromobenzene	ND		5	ug/kg						
Bromochloromethane	ND		5	ug/kg						
Bromodichloromethane	ND		5	ug/kg						
Bromoform	ND		5	ug/kg						
Bromomethane	ND		5	ug/kg						
2-Butanone	ND		5	ug/kg						
tert-Butyl alcohol	ND		5	ug/kg						
sec-Butylbenzene	ND		5	ua/ka						
n-Butylbenzene	ND		5	ua/ka						
tert-Butylbenzene	ND		5	ua/ka						
Methyl t-hutyl ether (MTBE)	ND		5	ua/ka						
Carbon Disulfide	ND		5	ua/ka						
	ND		5	ua/ka						
Chlorobenzene			5	ug/kg						
Chloroothano			5	ug/kg						
Chloroform			5	ug/kg						
Chloromethana			5	ug/kg						
	ND		17	ug/kg						
			5	ug/kg						
2-Chlorotoluene	ND		5	ug/kg						
1,2-Dibromo-3-chioropropane (DBCP)	ND		5	ug/kg						
Dipromocnioromethane	ND		5	ug/kg						
1,2-Dibromoethane (EDB)	ND		5	ug/kg						
Dibromomethane	ND		5	ug/kg						
1,2-Dichlorobenzene	ND		5	ug/kg						
1,3-Dichlorobenzene	ND		5	ug/kg						
1,4-Dichlorobenzene	ND		5	ug/kg						
1,1-Dichloroethane	ND		5	ug/kg						
1,2-Dichloroethane	ND		5	ug/kg						
trans-1,2-Dichloroethene	ND		5	ug/kg						
cis-1,2-Dichloroethene	ND		5	ug/kg						
1,1-Dichloroethene	ND		5	ug/kg						
1,2-Dichloropropane	ND		5	ug/kg						
2,2-Dichloropropane	ND		5	ug/kg						
cis-1,3-Dichloropropene	ND		5	ug/kg						
trans-1,3-Dichloropropene	ND		5	ug/kg						
1,1-Dichloropropene	ND		5	ug/kg						
1,3-Dichloropropene (cis + trans)	ND		5	ug/kg						
Diethyl ether	ND		8	ug/kg						
1,4-Dioxane	ND		100	ug/kg						
Ethylbenzene	ND		5	ug/kg						
Hexachlorobutadiene	ND		5	ug/kg						
2-Hexanone	ND		5	ug/kg						
Isopropylbenzene	ND		5	ug/kg						
p-Isopropyltoluene	ND		5	ug/kg						

ND

Methylene Chloride

Naphthalene

Styrene

Toluene

n-Propylbenzene

Tetrachloroethene

Tetrahydrofuran

4-Methyl-2-pentanone

1,1,1,2-Tetrachloroethane

1,2,4-Trichlorobenzene

1,2,3-Trichlorobenzene

69

5

5

5

5

5

5

5

5

5

5

ug/kg

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2L0087 - EPA 5035 (Contin	ued)									
Blank (B2L0087-BLK1)				Pr	epared: 12/0	1/22 Analyzed	1: 12/02/22			
1,1,2-Trichloroethane	ND		5	ug/kg						
1,1,1-Trichloroethane	ND		5	ug/kg						
Trichloroethene	ND		5	ug/kg						
1,2,3-Trichloropropane	ND		5	ug/kg						
1,3,5-Trimethylbenzene	ND		5	ug/kg						
1,2,4-Trimethylbenzene	ND		5	ug/kg						
Vinyl Chloride	ND		5	ug/kg						
o-Xylene	ND		5	ug/kg						
m&p-Xylene	ND		10	ug/kg						
Total xylenes	ND		5	ug/kg						
1,1,2,2-Tetrachloroethane	ND		5	ug/kg						
tert-Amyl methyl ether	ND		5	ug/kg						
1,3-Dichloropropane	ND		5	ug/kg						
Ethyl tert-butyl ether	ND		5	ug/kg						
Diisopropyl ether	ND		5	ug/kg						
Trichlorofluoromethane	ND		5	ug/kg						
Dichlorodifluoromethane	ND		5	ug/kg						
Surrogate: 4-Bromofluorobenzene			51.0	ug/kg	50.0		102	70-130		
Surrogate: 1,2-Dichloroethane-d4			49.4	ug/kg	50.0		98.8	70-130		
Surrogate: Toluene-d8			52.3	ug/kg	50.0		105	70-130		
LCS (B2I 0087-BS1)					Prenared 8	Analyzed: 12	/01/22			
Acetone	65			ua/ka	50.0	CAndiyzeu. 12	129	60-140		
Benzene	42			ua/ka	50.0		83.7	70-130		
Bromohenzene	44			ua/ka	50.0		89.0	70-130		
Bromochloromethane	40			ua/ka	50.0		79.3	70-130		
Bromodichloromethane	53			ua/ka	50.0		105	70-130		
Bromoform	50			ua/ka	50.0		101	70-130		
Bromomethane	11			ug/kg	50.0		21.9	60-140		
2-Butanone	56			ug/kg	50.0		112	60-140		
tert-Butyl alcohol	38			ug/kg	50.0		75.3	70-130		
sec-Butylbenzene	42			ug/kg	50.0		84.9	70-130		
n-Butylbenzene	40			ug/kg	50.0		80.0	70-130		
tert-Butylbenzene	43			ug/kg	50.0		86.0	70-130		
Methyl t-butyl ether (MTBE)	59			ug/kg	50.0		119	70-130		
Carbon Disulfide	48			ug/kg	50.0		95.2	50-150		
Carbon Tetrachloride	46			ug/kg	50.0		91.3	70-130		
Chlorobenzene	42			ug/kg	50.0		84.2	70-130		
Chloroethane	53			ug/kg	50.0		105	60-140		
Chloroform	49			ug/kg	50.0		97.4	70-130		
Chloromethane	75			ug/kg	50.0		150	60-140		
4-Chlorotoluene	44			ug/kg	50.0		87.1	70-130		
2-Chlorotoluene	44			ug/kg	50.0		87.1	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	49			ug/kg	50.0		97.2	70-130		
Dibromochloromethane	53			ug/kg	50.0		107	70-130		
1,2-Dibromoethane (EDB)	49			ug/kg	50.0		98.8	70-130		
Dibromomethane	50			ug/kg	50.0		99.7	60-140		
1,2-Dichlorobenzene	42			ug/kg	50.0		84.6	70-130		
1,3-Dichlorobenzene	44			ug/kg	50.0		88.9	70-130		
1,4-Dichlorobenzene	41			ug/kg	50.0		82.3	70-130		
1,1-Dichloroethane	42			ug/kg	50.0		84.6	70-130		
1,2-Dichloroethane	50			ug/kg	50.0		101	70-130		
trans-1,2-Dichloroethene	41			ug/kg	50.0		81.9	70-130		
cis-1,2-Dichloroethene	44			ug/kg	50.0		87.8	70-130		
1,1-Dichloroethene	33			ug/kg	50.0		65.3	70-130		
1,2-Dichloropropane	45			ug/kg	50.0		90.7	70-130		
2,2-Dichloropropane	48			ug/kg	50.0		96.2	70-130		

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2L0087 - EPA 5035 (Contin	ued)									
LCS (B2L0087-BS1)	-				Prepared 8	Analyzed: 12	/01/22			
cis-1,3-Dichloropropene	48			ug/kg	50.0		96.3	70-130		
trans-1,3-Dichloropropene	53			ug/kg	50.0		106	70-130		
1,1-Dichloropropene	39			ug/kg	50.0		78.5	70-130		
Diethyl ether	58			ug/kg	50.0		116	60-140		
1,4-Dioxane	254			ug/kg	250		102	0-200		
Ethylbenzene	43			ug/kg	50.0		86.3	70-130		
Hexachlorobutadiene	38			ug/kg	50.0		75.1	70-130		
2-Hexanone	49			ug/kg	50.0		97.1	70-130		
Isopropylbenzene	43			ug/kg	50.0		86.5	70-130		
p-Isopropyltoluene	44			ug/kg	50.0		87.2	70-130		
Methylene Chloride	63			ug/kg	50.0		125	60-140		
4-Methyl-2-pentanone	46			ug/kg	50.0		92.1	70-130		
Naphthalene	41			ug/kg	50.0		82.4	70-130		
n-Propylbenzene	43			ug/kg	50.0		85.9	70-130		
Styrene	43			ug/kg	50.0		86.6	70-130		
1,1,1,2-Tetrachloroethane	48			ug/kg	50.0		95.4	70-130		
Tetrachloroethene	46			ug/kg	50.0		92.3	70-130		
Tetrahydrofuran	50			ug/kg	50.0		99.7	50-150		
Toluene	45			ug/kg	50.0		90.1	70-130		
1,2,4-Trichlorobenzene	41			ug/kg	50.0		82.4	70-130		
1,2,3-Trichlorobenzene	41			ug/kg	50.0		81.5	70-130		
1,1,2-Trichloroethane	49			ug/kg	50.0		98.9	70-130		
1,1,1-Trichloroethane	46			ug/kg	50.0		92.5	70-130		
Trichloroethene	45			ug/kg	50.0		90.8	70-130		
1,2,3-Trichloropropane	49			ug/kg	50.0		97.0	70-130		
1,3,5-Trimethylbenzene	45			ug/kg	50.0		89.5	70-130		
1,2,4-Trimethylbenzene	45			ug/kg	50.0		89.2	70-130		
Vinyl Chloride	39			ug/kg	50.0		78.4	60-140		
o-Xylene	43			ug/kg	50.0		85.6	70-130		
m&p-Xylene	86			ug/kg	100		85.6	70-130		
1,1,2,2-Tetrachloroethane	46			ug/kg	50.0		91.1	70-130		
tert-Amyl methyl ether	52			ug/kg	50.0		105	70-130		
1,3-Dichloropropane	49			ug/kg	50.0		98.0	70-130		
Ethyl tert-butyl ether	50			ug/kg	50.0		99.5	70-130		
Trichlorofluoromethane	48			ug/kg	50.0		95.7	70-130		
Dichlorodifluoromethane	51			ug/kg	50.0		103	60-140		
Surrogate: 4-Bromofluorobenzene			52.5	ug/kg	50.0		105	70-130		
Surrogate: 1,2-Dichloroethane-d4			44.9	ug/kg	50.0		89.8	70-130		
Surrogate: Toluene-d8			52.3	ug/kg	50.0		105	70-130		

		<u> </u>	Reporting		Spike	Source		%REC		RPD
Analyte	Result	Qual	Limit	Units	Level	Result	%REC	Limits	RPD	Limit
Batch: B2L0087 - EPA 5035 (Co	ontinued)					<b>A</b>	2/01/22			
LCS Dup (B2L0087-BSD1)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			110/110	Prepared 8	x Analyzed: 1	2/01/22	<b>CO 110</b>	2.40	20
Acetone	63			ug/kg	50.0		127	60-140	2.19	30
Benzene	43			ug/kg	50.0		86.3	/0-130	3.06	20
Bromobenzene	47			ug/kg	50.0		93.4	/0-130	4.82	20
Bromochloromethane	41			ug/kg	50.0		81.6	70-130	2.83	20
Bromodichloromethane	55			ug/kg	50.0		110	70-130	3.89	20
Bromoform	52			ug/kg	50.0		104	70-130	2.72	20
Bromomethane	9			ug/kg	50.0		18.4	60-140	17.5	30
2-Butanone	65			ug/kg	50.0		129	60-140	14.4	30
tert-Butyl alcohol	33			ug/kg	50.0		66.3	70-130	12.7	20
sec-Butylbenzene	45			ug/kg	50.0		89.1	70-130	4.85	20
n-Butylbenzene	43			ug/kg	50.0		85.4	70-130	6.51	20
tert-Butylbenzene	45			ug/kg	50.0		90.1	70-130	4.68	20
Methyl t-butyl ether (MTBE)	48			ug/kg	50.0		96.1	70-130	21.1	20
Carbon Disulfide	44			ug/kg	50.0		87.2	50-150	8.68	40
Carbon Tetrachloride	47			ug/kg	50.0		93.4	70-130	2.32	20
Chlorobenzene	45			ug/kg	50.0		89.5	70-130	6.15	20
Chloroethane	48			ug/kg	50.0		96.6	60-140	8.67	30
Chloroform	51			ug/kg	50.0		102	70-130	4.48	20
Chloromethane	80			ug/kg	50.0		159	60-140	6.05	30
4-Chlorotoluene	46			ug/kg	50.0		91.7	70-130	5.14	20
2-Chlorotoluene	46			ug/kg 	50.0		91.7	70-130	5.14	20
1,2-Dibromo-3-chloropropane (DBCP)	50			ug/kg	50.0		99.5	70-130	2.34	20
Dibromochloromethane	55			ug/kg	50.0		110	70-130	2.90	20
1,2-Dibromoethane (EDB)	50			ug/kg	50.0		100	70-130	1.65	20
Dibromomethane	52			ug/kg	50.0		103	60-140	3.43	30
1,2-Dichlorobenzene	45			ug/kg	50.0		90.2	70-130	6.48	20
1,3-Dichlorobenzene	46			ug/kg	50.0		93.0	70-130	4.51	20
1,4-Dichlorobenzene	44			ug/kg	50.0		87.8	70-130	6.49	20
1,1-Dichloroethane	40			ug/kg	50.0		80.9	70-130	4.49	20
1,2-Dichloroethane	53			ug/kg	50.0		106	70-130	4.76	20
trans-1,2-Dichloroethene	33			ug/kg	50.0		66.1	70-130	21.4	20
cis-1,2-Dichloroethene	45			ug/kg	50.0		89.9	70-130	2.32	20
1,1-Dichloroethene	30			ug/kg	50.0		59.9	70-130	8.63	20
1,2-Dichloropropane	46			ug/kg	50.0		91.2	70-130	0.528	20
2,2-Dichloropropane	49			ug/kg	50.0		97.7	70-130	1.49	20
cis-1,3-Dichloropropene	50			ug/kg	50.0		100	70-130	3.89	20
trans-1,3-Dichloropropene	54			ug/kg	50.0		108	70-130	2.05	20
1,1-Dichloropropene	41			ug/kg	50.0		82.2	70-130	4.63	20
Diethyl ether	54			ug/kg	50.0		109	60-140	6.46	30
1,4-Dioxane	259			ug/kg	250		104	0-200	2.03	50
Ethylbenzene	45			ug/kg	50.0		90.4	70-130	4.71	20
Hexachlorobutadiene	41			ug/kg	50.0		82.1	70-130	8.88	20
2-Hexanone	52			ug/kg	50.0		105	70-130	7.55	20
Isopropylbenzene	45			ug/kg	50.0		90.5	70-130	4.50	20
p-Isopropyltoluene	46			ug/kg	50.0		91.7	70-130	5.03	20
Methylene Chloride	47			ug/kg	50.0		93.3	60-140	29.2	30
4-Methyl-2-pentanone	48			ug/kg	50.0		95.2	70-130	3.31	20
Naphthalene	45			ug/kg	50.0		89.5	70-130	8.26	20
n-Propylbenzene	45			ug/kg	50.0		89.9	70-130	4.60	20
Styrene	45			ug/kg	50.0		90.9	70-130	4.87	20
1,1,1,2-Tetrachloroethane	49			ug/kg	50.0		98.9	70-130	3.54	20
Tetrachloroethene	47			ug/kg	50.0		94.9	70-130	2.86	20
Tetrahydrofuran	54			ug/kg	50.0		108	50-150	7.96	40
Toluene	47			ug/kg	50.0		93.4	70-130	3.57	20
1,2,4-Trichlorobenzene	45			ug/kg	50.0		89.9	70-130	8.66	20
1,2,3-Trichlorobenzene	43			ug/kg	50.0		86.4	70-130	5.79	20
1,1,2-Trichloroethane	49			ug/kg	50.0		98.9	70-130	<u> </u>	
••									Page	23 of 38

### Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2L0087 - EPA 5035 (Conti	nued)									
LCS Dup (B2L0087-BSD1)	-				Prepared 8	& Analyzed: 12	2/01/22			
1,1,1-Trichloroethane	48			ug/kg	50.0		95.4	70-130	3.09	20
Trichloroethene	48			ug/kg	50.0		95.1	70-130	4.58	20
1,2,3-Trichloropropane	50			ug/kg	50.0		99.4	70-130	2.42	20
1,3,5-Trimethylbenzene	47			ug/kg	50.0		93.9	70-130	4.82	20
1,2,4-Trimethylbenzene	47			ug/kg	50.0		94.1	70-130	5.34	20
Vinyl Chloride	41			ug/kg	50.0		82.8	60-140	5.49	30
o-Xylene	45			ug/kg	50.0		89.7	70-130	4.65	20
m&p-Xylene	89			ug/kg	100		88.5	70-130	3.32	20
1,1,2,2-Tetrachloroethane	47			ug/kg	50.0		93.4	70-130	2.58	20
tert-Amyl methyl ether	54			ug/kg	50.0		107	70-130	2.55	20
1,3-Dichloropropane	50			ug/kg	50.0		99.2	70-130	1.16	20
Ethyl tert-butyl ether	52			ug/kg	50.0		104	70-130	4.88	20
Trichlorofluoromethane	49			ug/kg	50.0		97.5	70-130	1.82	20
Dichlorodifluoromethane	55			ug/kg	50.0		111	60-140	7.56	30
Surrogate: 4-Bromofluorobenzene			51.9	ug/kg	50.0		104	70-130		
Surrogate: 1,2-Dichloroethane-d4			47.4	ug/kg	50.0		94.7	70-130		
Surrogate: Toluene-d8			52.7	ug/kg	50.0		105	70-130		

## Batch: B2L0092 - Purge-Trap

Diank (BZLUU9Z-BLKI)			Fiepa
Acetone	ND	20	ug/kg
Benzene	ND	1	ug/kg
Bromobenzene	ND	1	ug/kg
Bromochloromethane	ND	1	ug/kg
Bromodichloromethane	ND	1	ug/kg
Bromoform	ND	1	ug/kg
Bromomethane	ND	1	ug/kg
2-Butanone	ND	5	ug/kg
tert-Butyl alcohol	ND	5	ug/kg
sec-Butylbenzene	ND	1	ug/kg
n-Butylbenzene	ND	1	ug/kg
tert-Butylbenzene	ND	1	ug/kg
Methyl t-butyl ether (MTBE)	ND	1	ug/kg
Carbon Disulfide	ND	1	ug/kg
Carbon Tetrachloride	ND	1	ug/kg
Chlorobenzene	ND	1	ug/kg
Chloroethane	ND	1	ug/kg
Chloroform	ND	1	ug/kg
Chloromethane	ND	1	ug/kg
4-Chlorotoluene	ND	1	ug/kg
2-Chlorotoluene	ND	1	ug/kg
1,2-Dibromo-3-chloropropane (DBCP)	ND	1	ug/kg
Dibromochloromethane	ND	1	ug/kg
1,2-Dibromoethane (EDB)	ND	1	ug/kg
Dibromomethane	ND	1	ug/kg
1,2-Dichlorobenzene	ND	1	ug/kg
1,3-Dichlorobenzene	ND	1	ug/kg
1,4-Dichlorobenzene	ND	1	ug/kg
1,1-Dichloroethane	ND	1	ug/kg
1,2-Dichloroethane	ND	1	ug/kg
trans-1,2-Dichloroethene	ND	1	ug/kg
cis-1,2-Dichloroethene	ND	1	ug/kg
1,1-Dichloroethene	ND	1	ug/kg
1,2-Dichloropropane	ND	1	ug/kg
2,2-Dichloropropane	ND	1	ug/kg
cis-1,3-Dichloropropene	ND	1	ug/kg
trans-1,3-Dichloropropene	ND	1	ug/kg

#### Prepared: 11/30/22 Analyzed: 12/01/22

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2L0092 - Purge-Trap (Cont.	inued)									
Blank (B2L0092-BLK1)	,			Pr	epared: 11/3	0/22 Analyze	d: 12/01/22			
1,1-Dichloropropene	ND		1	ug/kg		. ,				
1,3-Dichloropropene (cis + trans)	ND		2	ug/kg						
Diethyl ether	ND		5	ug/kg						
1,4-Dioxane	ND		100	ug/kg						
Ethylbenzene	ND		1	ug/kg						
Hexachlorobutadiene	ND		1	ug/kg						
2-Hexanone	ND		5	ug/kg						
Isopropylbenzene	ND		1	ug/kg						
p-Isopropyltoluene	ND		1	ug/kg						
Methylene Chloride	ND		2	ug/kg						
4-Methyl-2-pentanone	ND		5	ug/kg						
Naphthalene	ND		1	ug/kg						
n-Propylbenzene	ND		1	ug/kg						
Styrene	ND		1	ug/kg						
1,1,1,2-Tetrachloroethane	ND		1	ug/kg						
Tetrachloroethene	ND		1	ug/kg						
Tetrahydrofuran	ND		5	ug/kg						
Toluene	ND		1	ug/kg						
1,2,4-Trichlorobenzene	ND		1	ug/kg						
1,2,3-Trichlorobenzene	ND		1	ug/kg						
1,1,2-Trichloroethane	ND		1	ug/kg						
1,1,1-Trichloroethane	ND		1	ug/kg						
Trichloroethene	ND		1	ug/kg						
1,2,3-Trichloropropane	ND		1	ug/kg						
1,3,5-Trimethylbenzene	ND		1	ug/kg						
1,2,4-Trimethylbenzene	ND		1	ug/kg						
Vinyl Chloride	ND		1	ug/kg						
o-Xylene	ND		1	ug/kg						
m&p-Xylene	ND		2	ug/kg						
Total xylenes	ND		1	ug/kg						
1,1,2,2-Tetrachloroethane	ND		1	ug/kg						
tert-Amyl methyl ether	ND		1	ug/kg						
1,3-Dichloropropane	ND		1	ug/kg						
Ethyl tert-butyl ether	ND		1	ug/kg						
Diisopropyl ether	ND		1	ug/kg						
Trichlorofluoromethane	ND		1	ug/kg						
Dichlorodifluoromethane	ND		1	ug/kg						
Surrogate: 4-Bromofluorobenzene			52.2	ug/l	50.0		104	70-130		
Surrogate: 1.2-Dichloroethane-d4			49.0	ug/l	50.0		 98.0	70-130		
Surrogate: Toluene-d8			48.6	ug/l	50.0		97.3	70-130		

Batch:         B2U092-Frag (Continued)           Los (B2092-63)         respect:         11/30/22           Action         50         117         70.18           Bauance         47         upl         50.0         9.7         70.18           Bouncethorme         13         upl         50.0         9.7         70.18           Bouncethormethore         13         upl         50.0         9.7         70.18           Bouncethormethore         13         upl         50.0         9.6         70.19           Bouncethormethore         13         upl         50.0         9.6         70.19           Bouncethormethore         13         upl         50.0         9.7         70.19           Bethormethore         13         upl         50.0         10.7         70.19           Rethol Hould Back (OTRE)         44         upl         50.0         10.8         70.19           Rethol Hould Back (OTRE)         44         upl         50.0         10.8         70.19           Calcen Dauline         45         upl         50.0         10.8         70.19           Calcen Dauline         46         upl         50.0         10.8         70.19<	Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Los (accordensity)         represent 1/3922 Analyses 1/201/22           Sectars         47         104         50.0         17.7         7.10           Bergars         47         104         50.0         17.7         7.10           Bergars         47         104         50.0         17.10         1.00           Branchenver         47         104         50.0         17.10         1.00           Branchenver         12         104         50.0         17.10         1.00           Sectars         12         104         50.0         10.10         1.00           Sectars         12         104         50.0         10.10         1.00           Sectars         12         105         10.0         1.00         1.00           Sectars         12         105         10.0         1.00         1.00           Sectars         12         105         10.0	Batch: B2L0092 - Purge-Trap (Co	ontinued)									
Actor         99         97         90         90         90         90         90         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900         900	LCS (B2L0092-BS1)	-			Pi	repared: 11/3	0/22 Analyzed	d: 12/01/22			
Benome474050.040.770.10Bronuchorientame4740.450.050.170.10Bronuchorientame5040.450.060.570.10Bronuchorientame5040.450.060.570.10Bronuchorientame5040.450.060.570.10Stronuchine5040.450.060.570.10Stronuchine5040.450.060.570.10Stronuchine5040.450.060.570.10Stronuchine5040.450.060.570.10Stronuchine5040.450.060.570.10Stronuchine5040.450.060.570.10Stronuchine5040.450.060.570.10Chronuchine5140.450.060.570.10Chronuchine5040.450.060.570.10Chronuchine5040.450.060.570.10Chronuchine5040.450.060.570.10Chronuchine5040.450.060.570.10Chronuchine5040.450.060.570.10Chronuchine5040.450.060.570.10Chronuchine5040.450.060.570.10Chronuchine5040.450.060.570.10Chronuchine5040.450.060.5 <td>Acetone</td> <td>59</td> <td></td> <td></td> <td>ug/l</td> <td>50.0</td> <td></td> <td>117</td> <td>70-130</td> <td></td> <td></td>	Acetone	59			ug/l	50.0		117	70-130		
Bronchlansmein         94         950         107         77-33           Bronchlansmein         53         947         500         105         77-33           Bronchlansmein         52         947         500         105         77-33           Bronchlans         94         500         105         77-33         77-33           Bronchlansmein         92         947         500         108         77-33           Bronchlansmein         92         947         500         106         77-33           Bronchlansmein         92         947         500         106         77-33           Bronchlansmein         92         947         500         101         77-33           Predictional Matheman         93         947         500         101         77-33           Caton Mathéman         93         947         500         103         77-33           Caton Mathéman         94         900         931         77-33           Caton Mathéman         94         901         500         108         77-33           Caton Mathéman         94         901         500         108         77-33           Caton Mathéman	Benzene	47			ug/l	50.0		93.7	70-130		
Brondchormshame         97         901         500         91.1         Pr-10           Brondchormshme         92         901         500         105         71.3           Brondchormshme         92         901         500         105         71.3           Perkonshme         92         901         500         105         71.3           Perkonshme         92         901         500         106         71.3           Perkonshme         93         901         500         106         71.3           Perkonshme         93         901         500         101         77.33           Perkonshme         93         901         500         101         77.33           Perkonshme         93         901         500         101         77.33           Caster featalline         64         901         500         101         77.30           Caster featalline         93         901         500         101         77.30           Caster featalline         93         901         500         101         77.30           Caster featalline         93         901         500         101         77.30           <	Bromobenzene	54			ug/l	50.0		107	70-130		
soundorm         91         92         93         90         95         713           Bonnormine         40         94         500         60         713         713           Bonnormine         40         94         500         763         713         713           Bonnormine         91         441         500         763         713         713           Bonnormine         91         441         500         60         713         713           Bonnormine         91         441         930         50         610         713           Bonnormine         91         441         941         500         611         713           Bonnormine         91         910         500         613         713         713           Coton Dauline         91         90         500         102         713         713           Coton Dauline         91         90         50         103         713         713           Choordbare         91         50         103         713         713         713           Choordbare         91         50         103         713         713         713	Bromochloromethane	47			ug/l	50.0		93.1	70-130		
secondmin         S2         up1         S00         R5         7-13           2-Burance         38         up1         S00         R5         7-13           2-Burance         38         up1         S00         R5         7-13           seconfederation         S2         up1         S00         R5         7-13           seconfederation         S3         up1         S00         R5         7-13           seconfederation         S4         up1         S00         R5         7-13           Seconfederation         S4         up1         S00         R5         R7-13           Carbon foractionsk         S4         up1         S00         R5         R7-13           Carbon foractionsk         S4         up1         S00         R5         R7-13           Chorotham         S4         up1         S00         R6         R7-13           Chorotham         <	Bromodichloromethane	53			ug/l	50.0		105	70-130		
score         40         40         50         87.3         7-10           Ert birghersne         51         401         50.0         1.2         7-10           erdbirghersne         53         401         50.0         1.67         7-10           erdbirghersne         53         401         50.0         1.67         7-10           erdbirghersne         53         401         50.0         1.63         7-10           erdbirghersne         53         401         50.0         1.63         7-10           Chordbersne         50         4.3         50.0         1.63         7-10           Chordbersne         50         4.01         50.0         1.63         7-10           Chordbran         68         4.01         50.0         1.63         7-10           Chordbran         52         4.01         50.0         1.63         7-10           Chordbrane         52         4.01         50.0         1.63         7-10           L2 Obbranchoneshane         53         4.01         50.0         1.63         7-10           L3 Obbranchoneshane         53         4.01         50.0         1.63         7-10	Bromoform	52			ug/l	50.0		105	70-130		
2-Barone         38         up1         500         7.3         7.10           sec Buddenzere         52         up1         500         1.45         7.13           sec Buddenzere         53         up1         500         1.65         7.13           sec Buddenzere         53         up1         500         1.65         7.13           Meth thulp offer (MTB)         44         up1         500         1.81         7.13           Carbon Buddenzere         51         up1         500         1.63         7.13           Chron trackholdenzere         50         up1         500         1.63         7.13           Chron trackholde         51         up1         500         1.63         7.13           Chronothane         52         up1         500         1.63         7.13           Chronothane         52         up1         500         1.63         7.13           Chronothane         52         up1         500         1.63         7.13           Chronothane         53         up1         500         1.7         7.13           L2 Obernort-Anter         53         up1         500         7.7         7.13	Bromomethane	40			ug/l	50.0		80.6	70-130		
International scale         S1         up3         S2         S2         Up3         S2         S2 <ths2< th="">         S2         <ths2< th=""></ths2<></ths2<>	2-Butanone	38			ug/l	50.0		76.3	70-130		
sc-Sapishewane         52         491         50.0         105         70-10           bert-shuphemane         53         491         50.0         105         70-10           bert-shuphemane         53         491         50.0         61.1         70-10           bert-shuphemane         54         491         50.0         62.1         70-10           Cathon balling         45         491         50.0         62.0         70-10           Cathon balling         50         491         50.0         62.0         70-10           Chicotechane         60         491         50.0         104         70-10           Chicotechane         52         491         50.0         104         70-10           Chicotechane         52         491         50.0         104         70-10           2-Chicotechane         52         491         50.0         108         70-10           2-Chicotechane         53         491         50.0         108         70-10           2-Chicotechane         53         491         50.0         107         70-10           1_2-Chicotechane         54         491         50.0         60.7         70-10 </td <td>tert-Butyl alcohol</td> <td>91</td> <td></td> <td></td> <td>ug/l</td> <td>50.0</td> <td></td> <td>182</td> <td>70-130</td> <td></td> <td></td>	tert-Butyl alcohol	91			ug/l	50.0		182	70-130		
p-Buy/service         53         up1         50.0         107         70.10           bet-fully/levene         53         up1         50.0         107         70.10           Carbon Daulific         44         up1         50.0         58.1         70.10           Carbon Terchroined         51         up1         50.0         103         70.10           Chronobarane         68         up1         50.0         136         70.10           Chronobarane         52         up3         50.0         104         70.10           Chronobarane         52         up3         50.0         104         70.10           Chronobarene         52         up3         50.0         104         70.10           1,2 Obronobarene         53         up3         50.0         108         70.13           1,2 Obronobarene         52         up3         50.0         108         70.130           1,2 Obronobarene         53         up3         50.0         108         70.130           1,2 Obronobarene         53         up3         50.0         107         70.130           1,2 Obronobarene         50         up3         50.0         50.7 <t< td=""><td>sec-Butylbenzene</td><td>52</td><td></td><td></td><td>ug/l</td><td>50.0</td><td></td><td>104</td><td>70-130</td><td></td><td></td></t<>	sec-Butylbenzene	52			ug/l	50.0		104	70-130		
Int. Supplemente         S3         ug1         S0.0         UD7         70.130           Methyl tehryl (MTRE)         44         ug1         S0.0         S0.1         70.130           Carbon Duffice         15         ug1         S0.0         S0.0         S0.0         S0.0           Chron Duffice         15         ug1         S0.0         S0.0         S0.0         S0.0           Chron Duffice         15         ug1         S0.0         S0.0         S0.0         S0.0           Chron Duffice         12         Ug1         S0.0         S0.0         S0.0         S0.0           Chronoteshane         52         Ug1         S0.0         S0.0         S0.0         S0.0           Chronoteshane (DDD)         54         Ug1         S0.0         S0.0         S0.0         S0.0           L/2-Obromoteshane (DDD)         54         Ug1         S0.0         S0.0         S0.0         S0.0           L/2-Obromoteshane (DDD)         54         Ug1         S0.0         S0.0         S0.0         S0.0           L/2-Obromoteshane (DDD)         54         Ug1         S0.0         S0.0         S0.0         S0.0         S0.0         S0.0         S0.0         S	n-Butylbenzene	53			ug/l	50.0		105	70-130		
Nether (NTEE)         44         491         50.0         85.1         70.13           Carbon Disalifie         51         491         50.0         89.1         70.13           Chiotochanne         50         491         50.0         103         70.13           Chiotochanne         50         491         50.0         136         70.13           Chiotochan         68         491         50.0         136         70.13           Chiotochan         51         491         50.0         104         70.13           4-Chiotochane         52         491         50.0         104         70.13           1.2 Obtron-3-chioropoane (DECP)         52         491         50.0         108         70.13           1.2 Obtron-3-chioropoane (DECP)         54         491         50.0         108         70.13           1.2 Obtron-3-chioropoane (DECP)         54         491         50.0         107         70.13           1.2 Obtron-3-chioropoane (DECP)         54         491         50.0         107         70.13           1.2 Obtron-3-chioropoane         53         491         50.0         91.1         70.13           1.3 Obtron-4-4-4         50.0         91	tert-Butylbenzene	53			ug/l	50.0		107	70-130		
Carbon Testachioné         45         ugit         50.0         80.1         70.130           Carbon Testachioné         51         ugit         50.0         92.2         79.130           Chlorothane         68         ugit         50.0         92.6         70.130           Chlorothane         68         ugit         50.0         135         70.130           Chlorothane         52         ugit         50.0         103         70.130           Chlorothane         52         ugit         50.0         104         70.130           2-Ohrotoblene         52         ugit         50.0         103         70.130           2-Ohrotoblene         52         ugit         50.0         103         70.130           1/2-Ohronochane(EBCY)         56         ugit         50.0         107         70.130           1/2-Ohronochane(EBCY)         53         ugit         50.0         107         70.130           1/2-Ohronochane         53         ugit         50.0         90.7         70.130           1/2-Ohronochane         53         ugit         50.0         97.1         70.130           1/2-Ohronochane         54         ugit         50.0	Methyl t-butyl ether (MTBE)	44			ug/l	50.0		88.1	70-130		
Garbon Tetrachlands         51         up1         50.0         103         70-130           Chlorobhanen         50         up4         50.0         156         70-130           Chlorobhane         68         up4         50.0         156         70-130           Chlorobhane         51         up4         50.0         104         70-130           4-Chlorobhane         52         up4         50.0         104         70-130           1-2 Obtromob-thoromethane         52         up4         50.0         103         70-130           1-2 Obtromob-thoromethane         52         up4         50.0         108         70-130           1-2 Obtromob-thoromethane         53         up4         50.0         107         70-130           1-2 Obtromob-thoromethane         53         up4         50.0         107         70-130           1-2 Obtromob-thoromethane         53         up4         50.0         107         70-130           1-3 Obtromob-thoromethane         53         up4         50.0         107         70-130           1-3 Obtromob-thoromethane         50         up4         50.0         96.0         70-130           1-3 Obtromob-thoromethane <t< td=""><td>Carbon Disulfide</td><td>45</td><td></td><td></td><td>ug/l</td><td>50.0</td><td></td><td>89.1</td><td>70-130</td><td></td><td></td></t<>	Carbon Disulfide	45			ug/l	50.0		89.1	70-130		
Chickedenzane       50       upd       50.0       99.2       70.130         Chickedenne       68       upd       50.0       156       70.130         Chickerdenn       48       upd       50.0       133       70.130         Chickerdenneshane       51       upd       50.0       104       70.130         Chickerdenneshane       52       upd       50.0       104       70.130         Chickerdenneshane       52       upd       50.0       103       70.130         L/2-Obronochtane(DBCP)       56       upd       50.0       107       70.130         L/2-Obronochtane(DBCP)       51       upd       50.0       107       70.130         L/2-Obronochtane(DBCP)       53       upd       50.0       107       70.130         L/2-Obronochtane       53       upd       50.0       107       70.130         L/2-Obrichorebane       53       upd       50.0       90.7       70.130         L/2-Obrichorebane       45       upd       50.0       90.4       70.130         L/2-Obrichorebane       45       upd       50.0       97.4       70.130         L/2-Obrichorebane       46       upd	Carbon Tetrachloride	51			ug/l	50.0		103	70-130		
Ohreethane         68         upl         5.0         1.36         70-130           Chlorotom         48         upl         50.0         95.8         70-130           Chlorotome         51         upl         50.0         104         70-130           4-Chrotothere         52         upl         50.0         104         70-130           1.2-Dibrono-5-chloropropane (DICP)         56         upl         50.0         102         70-130           1.2-Dibrono-5-chloropropane (DICP)         56         upl         50.0         107         70-130           1.2-Dibrono-5-chloropropane (DICP)         56         upl         50.0         107         70-130           1.2-Dibrono-5-chloropropane (DICP)         54         upl         50.0         107         70-130           1.2-Dibrono-5-chloropropane (DICP)         54         upl         50.0         107         70-130           1.2-Dibrono-5-chloropropane (DICP)         54         upl         50.0         107         70-130           1.3-Dibrono-5-chloropropane         53         upl         50.0         90.7         70-130           1.3-Dibrono-5-chloropropane         50         upl         50.0         95.0         70-130	Chlorobenzene	50			ug/l	50.0		99.2	70-130		
Chlorodem         48         49,4         50.0         55.8         70-130           Chloromethane         51         49,4         50.0         103         70-130           2-Chlorotoluene         52         49,4         50.0         104         70-130           2-Chlorotoluene         52         49,4         50.0         103         70-130           2-Chlorotoluene         52         49,4         50.0         103         70-130           Dibromothane         53         49,4         50.0         108         70-130           1,2-Othorobechane         53         49,4         50.0         107         70-130           1,2-Othorobechane         53         49,4         50.0         107         70-130           1,2-Othorobechane         53         49,4         50.0         107         70-130           1,2-Othorobechane         53         49,4         50.0         90,7         70-130           1,2-Othorobechane         53         49,4         50.0         91,7         70-130           1,2-Othorobechane         45         49,4         50.0         97,7         70-130           1,2-Othorobechane         46         49,4         50.0	Chloroethane	68			ug/l	50.0		136	70-130		
Chicromethane         51         ug/l         50.0         103         20130           4-Chicrobulene         52         ug/l         50.0         104         70-130           1.2-Ditromol-Schloroprogne (DBCP)         56         ug/l         50.0         112         70-130           1.2-Ditromol-Schloroprogne (DBCP)         56         ug/l         50.0         103         70-130           1.2-Ditromol-Schloroprogne (DBCP)         56         ug/l         50.0         107         70-130           1.2-Ditromol-Schloroprogne (DBCP)         56         ug/l         50.0         107         70-130           1.2-Ditromol-Schloroprogne (DBCP)         54         ug/l         50.0         107         70-130           1.2-Ditromol-Schloroprogne         53         ug/l         50.0         107         70-130           1.3-Ditromol-Schloroprogne         45         ug/l         50.0         90.7         70-130           1.2-Dichioroprogne         48         ug/l         50.0         90.4         70-130           1.2-Dichioroprogne         49         ug/l         50.0         97.6         70-130           1.2-Dichioroprogne         49         ug/l         50.0         97.6         70-130	Chloroform	48			ug/l	50.0		95.8	70-130		
4 Charatoluene       52       ug/l       50.0       104       70.130         2 Chiorotoluene       52       ug/l       50.0       114       70.130         Dibromochloromethane       52       ug/l       50.0       113       70.130         Dibromochloromethane       53       ug/l       50.0       108       70.130         1,2 Obtionoberzene       54       ug/l       50.0       107       70.130         1,3 Dichtoroberzene       53       ug/l       50.0       107       70.130         1,4 Obtioroberzene       53       ug/l       50.0       107       70.130         1,4 Obtioroberzene       53       ug/l       50.0       107       70.130         1,2 Obtioroberzene       50       ug/l       50.0       90.7       70.130         1,2 Obtioroberzene       50       ug/l       50.0       91.8       70.130         1,2 Obtioroberzene       46       ug/l       50.0       91.8       70.130         1,2 Obtioropopane       41       ug/l       50.0       92.7       70.130         1,2 Obtioropopane       41       ug/l       50.0       92.7       70.130         1,2 Obtioropopane       41 <td>Chloromethane</td> <td>51</td> <td></td> <td></td> <td>ug/l</td> <td>50.0</td> <td></td> <td>103</td> <td>70-130</td> <td></td> <td></td>	Chloromethane	51			ug/l	50.0		103	70-130		
2-Chiorosobare         52         ug/l         50.0         10.4         70-130           1,2-Dimono-3-chioropropane (DBCP)         56         ug/l         50.0         11.2         70-130           1,2-Dimonsthane         52         ug/l         50.0         10.8         70-130           1,2-Dimonsthane (CBS)         54         ug/l         50.0         108         70-130           1,2-Dichrotobarane         53         ug/l         50.0         107         70-130           1,3-Dichrotobarane         53         ug/l         50.0         107         70-130           1,4-Dichrotobarane         53         ug/l         50.0         107         70-130           1,4-Dichrotobarane         55         ug/l         50.0         90.8         70-130           1,2-Dichrotothane         45         ug/l         50.0         90.4         70-130           1,2-Dichrotothane         46         ug/l         50.0         90.4         70-130           1,2-Dichrotothane         48         ug/l         50.0         90.4         70-130           1,2-Dichrotothane         50         ug/l         50.0         90.7         70-130           1,2-Dichrotothane         49 <td>4-Chlorotoluene</td> <td>52</td> <td></td> <td></td> <td>ua/l</td> <td>50.0</td> <td></td> <td>104</td> <td>70-130</td> <td></td> <td></td>	4-Chlorotoluene	52			ua/l	50.0		104	70-130		
1,2.01brono-2-chloropropane (DBCP)       56       ug/l       50.0       11.2       70-130         Dbremachleomethane       52       ug/l       50.0       103       70-130         1,2.01brono-brane       53       ug/l       50.0       107       70-130         1,2.01brono-brane       53       ug/l       50.0       107       70-130         1,2.01brono-brane       53       ug/l       50.0       107       70-130         1,4.01brono-brane       53       ug/l       50.0       107       70-130         1,4.01brono-brane       53       ug/l       50.0       90.7       70-130         1,4.01brono-brane       50       ug/l       50.0       99.8       70-130         1,4.01brono-brane       50       ug/l       50.0       99.8       70-130         1,2.01brono-brane       46       ug/l       50.0       99.8       70-130         1,2.01brono-brane       48       ug/l       50.0       99.4       70-130         1,2.01brono-brane       49       ug/l       50.0       99.7       70-130         1,2.01brono-brane       49       ug/l       50.0       99.7       70-130         1,2.01brono-brane	2-Chlorotoluene	52			ua/l	50.0		104	70-130		
Laboration Schwarz (1997)         S2         Wall         S0.0         11.3         Provision Schwarz (1997)           1,2.01bromechane (1908)         54         Ugl         50.0         107         70-130           1,2.01bromechane (1908)         54         Ugl         50.0         107         70-130           1,2.01bromechane (1908)         54         Ugl         50.0         107         70-130           1,2.01bromechane (1908)         53         Ugl         50.0         107         70-130           1,3.01bromechane (1908)         53         Ugl         50.0         107         70-130           1,4.01bromechane (1908)         54         Ugl         50.0         90.7         70-130           1,1.01bromechane         53         Ugl         50.0         91.1         70-130           1,2.01bromechane         46         Ugl         50.0         95.0         70-130           1,2.01bromechane         47         Ugl         50.0         95.0         70-130           1,2.01bromechane         70         Ugl         50.0         95.0         70-130           1,2.01bromechane         49         Ugl         50.0         95.2         70-130           1,2.01bromecha	1 2-Dibromo-3-chloropropane (DBCP)	56			ua/l	50.0		112	70-130		
Lab. Holosoftware (DB)         54         up1         50.0         108         70-130           L2-Distromicethane (DB)         54         up1         50.0         108         70-130           L3-Distromicethane (DB)         53         up1         50.0         107         70-130           1,3-Dichloroberzene         53         up1         50.0         107         70-130           1,4-Dichloroberzene         53         up1         50.0         99.7         70-130           1,2-Dichlorobethane         46         up1         50.0         91.1         70-130           1,2-Dichlorobethane         46         up1         50.0         91.1         70-130           1,2-Dichlorobethane         45         up1         50.0         91.4         70-130           1,2-Dichloropropene         50         up1         50.0         91.4         70-130           1,2-Dichloropropene         50         up1         50.0         91.9         70-130           1,1-Dichloropropene         48         up1         50.0         97.7         70-130           1,1-Dichloropropene         49         up1         50.0         95.2         70-130           1,1-Dichloropropene <td< td=""><td>Dibromochloromethane</td><td>50</td><td></td><td></td><td>ua/l</td><td>50.0</td><td></td><td>103</td><td>70-130</td><td></td><td></td></td<>	Dibromochloromethane	50			ua/l	50.0		103	70-130		
1.1. Distribution       5.1       9.9       5.0       1.00       70-130         1.2. Dichloroberzene       54       10,4       50.0       107       70-130         1.3. Dichloroberzene       53       10,4       50.0       107       70-130         1.4. Dichloroberzene       53       10,4       50.0       107       70-130         1.4. Dichloroberzene       53       10,4       50.0       90,7       70-130         1.4. Dichloroberzene       50       10,4       50.0       90,8       70-130         1.2. Dichloroethane       45       10,4       50.0       90,4       70-130         trans-1,2. Dichloroethene       46       10,4       50.0       90,4       70-130         1.2. Dichloroethene       37       10,4       50.0       95.0       70-130         1.2. Dichloroptopane       41       10,4       50.0       95.7       70-130         1.3. Dichloroptopene       46       10,4       50.0       97.7       70-130         trans-1,3. Dichloroptopene       49       10,4       50.0       97.7       70-130         trans-1,3. Dichloroptopene       46       10,4       50.0       97.7       70-130	1 2-Dibromoethane (EDB)	52			ua/l	50.0		105	70-130		
Lab. Hole and the set of	Dibromomothano	53			ug/l	50.0		107	70-130		
1,2-Dichloroberzene       53       94       50.0       100       70-130         1,4-Dichloroberzene       53       94       50.0       107       70-130         1,1-Dichloroberzene       53       94       50.0       90.7       70-130         1,1-Dichloroethane       50       94       50.0       91.1       70-130         1,2-Dichloroethane       46       94       50.0       91.1       70-130         1,2-Dichloroethane       45       94       50.0       91.4       70-130         1,2-Dichloroethene       37       94       50.0       95.0       70-130         1,2-Dichloroethene       37       94       50.0       95.0       70-130         1,2-Dichloropropane       48       94       50.0       97.0       70-130         cs-1,3-Dichloropropene       49       94       50.0       97.0       70-130         1,1-Dichloropropene       46       94       50.0       95.2       70-130         1,1-Dichloropropene       46       94       50.0       95.2       70-130         1,4-Dickoropropene       49       94       50.0       95.5       70-130         1,4-Dickoropropene       49	1.2-Dichlerobonzono	54			ug/l	50.0		107	70-130		
JJ. Holminubulating         J.J.         Hol J.         Hol J.         Hol J.           1,4-Dehlorobersene         53         Ug/l         50.0         90.7         70-130           1,2-Dehlorobersene         45         Ug/l         50.0         99.8         70-130           1,2-Dehlorobersene         46         Ug/l         50.0         90.4         70-130           ds:1,2-Dehlorobersene         45         Ug/l         50.0         90.4         70-130           1,1-Dehlorobersene         37         Ug/l         50.0         97.4         70-130           1,1-Dehlorobersene         37         Ug/l         50.0         97.7         70-130           1,2-Dehloropropane         48         Ug/l         50.0         97.7         70-130           2,2-Dehloropropane         46         Ug/l         50.0         97.7         70-130           1,1-Dehloropropane         46         Ug/l         50.0         97.8         70-130           1,1-Dehloropropane         48         Ug/l         50.0         91.8         70-130           1,1-Dehloropropane         46         Ug/l         50.0         95.2         70-130           1,1-Dehloropropane         10         <	1,2-Dichlorobonzono	53			ug/l	50.0		100	70-130		
JDickhorosethane         J.J.         B.J.         B.J.         B.J.         J.J.           1.JDickhorosethane         50         Ug/l         50.0         99.8         70-130           1.JDickhorosethane         46         Ug/l         50.0         91.1         70-130           65.1.2Dickhorosethane         45         Ug/l         50.0         91.4         70-130           1.JDickhorosethane         37         Ug/l         50.0         95.0         70-130           1.JDickhorosethane         37         Ug/l         50.0         95.0         70-130           1.JDickhorosethane         37         Ug/l         50.0         97.0         70-130           1.JDickhorosethane         48         Ug/l         50.0         97.0         70-130           1.JDickhorospropene         49         Ug/l         50.0         97.0         70-130           1.JDickhorospropene         48         Ug/l         50.0         97.0         70-130           1.JDickhorospropene         49         Ug/l         50.0         98.5         70-130           1.JDickhorospropene         49         Ug/l         50.0         106         70-130           1.JDickhorose	1,3-Dichlorobenzene	23			ug/l	50.0		107	70-130		
1. Johnbrockalne         1.5.         1.5.0         1.5.0         1.5.0           1. Johnbrockalne         50         ug/l         50.0         91.1         70-130           trans-1,2-Dichloroethene         45         ug/l         50.0         90.4         70-130           trans-1,2-Dichloroethene         37         ug/l         50.0         95.0         70-130           1,2-Dichloropthene         48         ug/l         50.0         95.0         70-130           1,2-Dichloroptopene         49         ug/l         50.0         97.0         70-130           1,2-Dichloroptopene         49         ug/l         50.0         97.0         70-130           trans-1,3-Dichloroptopene         49         ug/l         50.0         97.0         70-130           1,1-Dichloroptopene         46         ug/l         50.0         97.0         70-130           1,1-Dichloroptopene         48         ug/l         50.0         95.2         70-130           1,4-Dickloroptopene         49         ug/l         50.0         98.5         70-130           1,4-Dickloroptopene         10         ug/l         50.0         106         70-130           1,4-Dickloroptalene         53 <td>1 1-Dichloroethane</td> <td>45</td> <td></td> <td></td> <td>ug/l</td> <td>50.0</td> <td></td> <td>90.7</td> <td>70-130</td> <td></td> <td></td>	1 1-Dichloroethane	45			ug/l	50.0		90.7	70-130		
1,2-Dichloroethene       50       0,9       50.0       91.1       70-130         trans-1,2-Dichloroethene       45       0,9       50.0       90.4       70-130         1,1-Dichloroethene       37       0,9       50.0       73.4       70-130         1,2-Dichloroethene       37       0,9       50.0       97.4       70-130         2,2-Dichloropropane       41       0,9       50.0       97.7       70-130         trans-1,2-Dichloropropene       50       0,9       50.0       97.0       70-130         trans-1,3-Dichloropropene       46       0,9       50.0       97.0       70-130         trans-1,3-Dichloropropene       46       0,9       50.0       95.2       70-130         Diethyl ether       48       0,9       50.0       95.2       70-130         1,4-Doxane       276       0,9       50.0       95.5       70-130         Ethylbenzene       49       0,9       50.0       95.5       70-130         Hexachlorobutadiene       53       0,9       50.0       106       70-130         Jsopropylbenzene       53       0,9       50.0       105       70-130         Pisopropylbenzene <td< td=""><td>1,2-Dichloroothana</td><td>50</td><td></td><td></td><td>ug/l</td><td>50.0</td><td></td><td>00.9</td><td>70-130</td><td></td><td></td></td<>	1,2-Dichloroothana	50			ug/l	50.0		00.9	70-130		
Lans.1,2-bit. Involvement         40         40         50.0         91.1         70-130           cis.1,2-bit. Involvement         37         ug/l         50.0         95.0         70-130           1,1-Dick Involvement         37         ug/l         50.0         95.0         70-130           2,2-Dick Involvement         48         ug/l         50.0         97.7         70-130           cis.1,3-Dick Involvement         50         ug/l         50.0         97.7         70-130           trans.1,3-Dick Involvement         49         ug/l         50.0         97.0         70-130           trans.1,3-Dick Involvement         46         ug/l         50.0         91.8         70-130           Li,1-Dick Involvement         48         ug/l         50.0         91.8         70-130           Li,4-Dick and         276         ug/l         50.0         98.5         70-130           Li-Aboxane         276         ug/l         50.0         106         70-130           Li-Boxine         33         ug/l         50.0         106         70-130           Li-Boxine         53         ug/l         50.0         106         70-130           Isporopylenzene         53	1,2-Dichloroethane	30			ug/l	50.0		99.0	70-130		
Los 1, 2-bichloroptenen         4-3         4-9         50.0         50.4         70-130           1, 2-bichloroptenen         48         49/1         50.0         95.0         70-130           2, 2-bichloroptopane         41         49/1         50.0         97.0         70-130           2, 2-bichloroptopene         50         49/1         50.0         97.0         70-130           trans-1, 3-bichloroptopene         46         49/1         50.0         97.0         70-130           1, 1-bichloroptopene         46         49/1         50.0         91.8         70-130           1, 4-bioxane         276         49/1         50.0         98.5         70-130           1, 4-bioxane         276         49/1         50.0         98.5         70-130           1, 4-bioxane         52         49/1         50.0         98.5         70-130           1, 4-bioxane         52         49/1         50.0         106         70-130           1, 50-propylenzene         52         49/1         50.0         106         70-130           1         10/1         50.0         106         70-130         104         104           1, 1, 2-bickolorobtadiene	cis 1.2 Dichloroothono	40			ug/l	50.0		91.1	70-130		
1,2-Dickloropropane       37       94       30.0       73.4       70-130         1,2-Dickloropropane       48       94       50.0       81.9       70-130         2,2-Dickloropropane       41       94       50.0       97.7       70-130         trans-1,3-Dickloropropene       50       96       97.0       70-130         trans-1,3-Dickloropropene       49       94       50.0       95.2       70-130         1,1-Dickloropropene       46       94       50.0       95.2       70-130         1,4-Dioxane       276       94       50.0       95.2       70-130         Ethylbenzene       49       94       50.0       95.2       70-130         Hexachlorobutaleine       53       94       50.0       95.5       70-130         Isopropylbenzene       52       94       50.0       106       70-130         Isopropylbulene       53       94       50.0       106       70-130         Isopropylbulene       53       94       50.0       106       70-130         Naphthalene       54       94       50.0       107       70-130         Naphthalene       50       94       50.0       1	1 1 Dichleresthere	5F 27			ug/l	50.0		90.4 72.4	70-130		
1,2-Dickhoropropane       41       ug/l       50.0       93.0       70-130         cis-1,3-Dickhoropropane       50       ug/l       50.0       97.0       70-130         trans-1,3-Dickhoropropene       49       ug/l       50.0       97.0       70-130         1,1-Dichhoropropene       46       ug/l       50.0       91.8       70-130         1,4-Dioxane       276       ug/l       50.0       95.2       70-130         1,4-Dioxane       276       ug/l       50.0       95.2       70-130         1,4-Dioxane       276       ug/l       50.0       95.5       70-130         1,4-Dioxane       276       ug/l       50.0       98.5       70-130         1,4-Dioxane       276       ug/l       50.0       98.5       70-130         1,4-Dioxane       276       ug/l       50.0       106       70-130         1,4-Dioxane       10g/l       50.0       105       70-130         1       ug/l       50.0       106       70-130         1       ug/l       50.0       106       70-130         1       ug/l       50.0       107       70-130         1       ug/l	1,1-Dichloropropage	37			ug/l	50.0		73. <del>4</del> 05.0	70-130		
2.2-Unlind phylame       41       ug/l       50.0       81.9       70-130         ici: 1,3-Dichloropropene       50       ug/l       50.0       97.0       70-130         1,1-Dichloropropene       46       ug/l       50.0       91.8       70-130         Diethyl ether       48       ug/l       50.0       95.2       70-130         1,4-Dioxane       276       ug/l       50.0       95.2       70-130         Hexachlorobutadiene       53       ug/l       50.0       96.5       70-130         Hexachlorobutadiene       53       ug/l       50.0       82.9       70-130         Jsoropylbenzene       41       ug/l       50.0       82.9       70-130         Isoropylbenzene       53       ug/l       50.0       106       70-130         p-Isopropylbenzene       52       ug/l       50.0       105       70-130         p-Isopropylbuene       53       ug/l       50.0       107       70-130         Methylene Choirde       46       ug/l       50.0       109       70-130         Naphtalene       54       ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51	1,2-Dichloropropane	40			ug/l	50.0		95.0	70-130		
Lbs:1,5-bit Molphopene       50       491       50.0       95.7       70-130         trans:1,3-Dichloropropene       46       491       50.0       95.2       70-130         Diethyl ether       48       491       50.0       95.2       70-130         1,4-Dichloropropene       49       491       50.0       95.2       70-130         1,4-Dioxane       276       491       250       110       0-200         Ethylbenzene       49       491       50.0       98.5       70-130         Hexachlorobutaleine       53       491       50.0       106       70-130         J-Hochnone       51       491       50.0       105       70-130         J-Hochnone       53       491       50.0       106       70-130         J-Hochnone       53       491       50.0       105       70-130         J-Spropylbenzene       53       491       50.0       106       70-130         P-Isopropylbenzene       53       491       50.0       107       70-130         Naphthalene       54       491       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       491       50.0 <td></td> <td>71</td> <td></td> <td></td> <td>ug/l</td> <td>50.0</td> <td></td> <td>01.9</td> <td>70-130</td> <td></td> <td></td>		71			ug/l	50.0		01.9	70-130		
Lanse         Hors         Light         Solo         <	trans-1,3-Dichloropropono	40			ug/l	50.0		99.7	70-130		
1,1-Dick indipidpende       43       ug/l       50.0       91.8       70-130         Diethyl ether       48       ug/l       50.0       95.2       70-130         1,4-Dioxane       276       ug/l       250       110       0-200         Ethyl benzene       49       ug/l       50.0       106       70-130         Hexachlorobutadiene       53       ug/l       50.0       82.9       70-130         Isopropylbenzene       52       ug/l       50.0       105       70-130         p-Isopropylbenzene       53       ug/l       50.0       106       70-130         Methylene Chloride       46       ug/l       50.0       106       70-130         Naphthalene       54       ug/l       50.0       107       70-130         Naphthalene       51       ug/l       50.0       107       70-130         1,1,2-Tetrachloroethane       51       ug/l       50.0       107       70-130         Styrene       53       ug/l       50.0       107       70-130         1,1,2-Tetrachloroethane       51       ug/l       50.0       100       70-130         Tetrachloroethane       51       ug/l	1 1 Dichleropropene	49			ug/l	50.0		97.0	70-130		
Dietury teller       46       49       50.0       55.2       70-130         1,4-Dioxane       276       49/1       250       110       0-200         Ethylbenzene       49       49/1       50.0       98.5       70-130         Hexachlorobutadiene       53       49/1       50.0       106       70-130         2-Hexanone       41       49/1       50.0       105       70-130         Isopropylbenzene       52       49/1       50.0       105       70-130         p-Isopropylbenzene       53       49/1       50.0       106       70-130         Methylene Chloride       46       49/1       50.0       90.5       70-130         Naphthalene       54       49/1       50.0       107       70-130         n-Propylbenzene       53       49/1       50.0       107       70-130         styrene       53       49/1       50.0       107       70-130         1,1,2-Tetrachloroethane       51       49/1       50.0       103       70-130         Tetrahydrofuran       51       49/1       50.0       102       70-130         1,2,4-Trichlorobenzene       54       49/1       50.0 <td>1,1-Dictition opi opene</td> <td>40</td> <td></td> <td></td> <td>ug/l</td> <td>50.0</td> <td></td> <td>91.0</td> <td>70-130</td> <td></td> <td></td>	1,1-Dictition opi opene	40			ug/l	50.0		91.0	70-130		
1,4-blockale       276       69/4       250       110       67200         Ethylbenzene       49       ug/l       50.0       98.5       70-130         Hexachlorobutadiene       53       ug/l       50.0       105       70-130         2-Hexanone       41       ug/l       50.0       105       70-130         Isopropylbenzene       52       ug/l       50.0       106       70-130         p-Isopropylbenzene       53       ug/l       50.0       106       70-130         Methylene Chloride       46       ug/l       50.0       91.4       60-140         4-Methyl-2-pentanone       45       ug/l       50.0       90.5       70-130         Naphthalene       54       ug/l       50.0       107       70-130         n-Propylbenzene       53       ug/l       50.0       107       70-130         1,1,2-Tetrachloroethane       51       ug/l       50.0       107       70-130         1,1,2-Tetrachloroethane       51       ug/l       50.0       100       70-130         Tetrachloroethane       51       ug/l       50.0       102       70-130         1,2,4-Trichlorobenzene       54       u		-10 276			ug/l	250.0		95.2	0 200		
Linguenzarie       49       49       50.0       56.3       70-130         Hexachlorobutadiene       53       49/1       50.0       106       70-130         2-Hexanone       41       49/1       50.0       82.9       70-130         Isopropylbenzene       52       49/1       50.0       106       70-130         p-Isopropylbulene       53       49/1       50.0       106       70-130         Methylene Chloride       46       49/1       50.0       90.5       70-130         Methylene Chloride       46       49/1       50.0       109       70-130         Naphthalene       54       49/1       50.0       107       70-130         n-Propylbenzene       53       49/1       50.0       107       70-130         styrene       53       49/1       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       49/1       50.0       103       70-130         Tetrachloroethane       50       49/1       50.0       100       70-130         Tetrachlorobenzene       51       49/1       50.0       102       70-130         1,2,4-Trichlorobenzene       54       49/1	1,4-Dioxaile	270			ug/l	250		110 08 E	70 120		
nexatinorodulating       53       ug/l       50.0       106       70-130         2-Hexanone       41       ug/l       50.0       82.9       70-130         Isopropylbenzene       52       ug/l       50.0       106       70-130         p-Isopropylboluene       53       ug/l       50.0       106       70-130         Methylene Chloride       46       ug/l       50.0       91.4       60-140         4-Methyl-2-pentanone       45       ug/l       50.0       90.5       70-130         Naphthalene       54       ug/l       50.0       107       70-130         n-Propylbenzene       53       ug/l       50.0       107       70-130         styrene       53       ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       ug/l       50.0       103       70-130         Tetrachloroethene       50       ug/l       50.0       102       70-130         Tetrachlorobenzene       51       ug/l       50.0       102       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       54 <td< td=""><td>Ethyldenzene</td><td>49</td><td></td><td></td><td>ug/l</td><td>50.0</td><td></td><td>98.5</td><td>70-130</td><td></td><td></td></td<>	Ethyldenzene	49			ug/l	50.0		98.5	70-130		
2-nexaribite       41       ug/l       50.0       62.9       70-130         Isopropylbenzene       52       ug/l       50.0       105       70-130         p-Isopropylboluene       53       ug/l       50.0       106       70-130         Methylene Chloride       46       ug/l       50.0       90.5       70-130         4-Methyl-2-pentanone       45       ug/l       50.0       90.5       70-130         Naphthalene       54       ug/l       50.0       109       70-130         n-Propylbenzene       53       ug/l       50.0       107       70-130         styrene       53       ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       ug/l       50.0       100       70-130         Tetrachloroethane       50       ug/l       50.0       100       70-130         Tetrachloroethane       51       ug/l       50.0       100       70-130         Toluene       49       ug/l       50.0       102       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       54       ug/l		22			ug/l	50.0		100	70-130		
Isopropyloenzene       52       ug/i       50.0       105       70-130         p-Isopropyloenzene       53       ug/i       50.0       91.4       60-140         4-Methyl-2-pentanone       45       ug/i       50.0       90.5       70-130         Naphthalene       54       ug/i       50.0       107       70-130         n-Propylbenzene       53       ug/i       50.0       107       70-130         styrene       53       ug/i       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       ug/i       50.0       103       70-130         Tetrachloroethane       51       ug/i       50.0       100       70-130         Toluene       51       ug/i       50.0       102       70-130         1,2,4-Trichlorobenzene       54       ug/i       50.0       100       70-130         1,2,4-Trichlorobenzene       54       ug/i       50.0       102       70-130         1,2,4-Trichlorobenzene       54       ug/i       50.0       102       70-130         1,2,3-Trichlorobenzene       54       ug/i       50.0       109       70-130         1,2,3-Trichlorobenzene       53		41			ug/i	50.0		82.9 10F	70-130		
p-isopropyriolitele       53       ug/l       50.0       106       70-130         Methylene Chloride       46       ug/l       50.0       91.4       60-140         4-Methyl-2-pentanone       45       ug/l       50.0       90.5       70-130         Naphthalene       54       ug/l       50.0       109       70-130         n-Propylbenzene       53       ug/l       50.0       107       70-130         styrene       53       ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       ug/l       50.0       103       70-130         Tetrachloroethane       50       ug/l       50.0       100       70-130         Tetrachloroethene       50       ug/l       50.0       100       70-130         Toluene       49       ug/l       50.0       102       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       55       ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53	Isopropyidenzene	52			ug/i	50.0		105	70-130		
Methylene Chloride       46       ug/l       50.0       91.4       60-140         4-Methyl-2-pentanone       45       ug/l       50.0       90.5       70-130         Naphthalene       54       ug/l       50.0       109       70-130         n-Propylbenzene       53       ug/l       50.0       107       70-130         styrene       53       ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       ug/l       50.0       103       70-130         Tetrachloroethane       50       ug/l       50.0       100       70-130         Tetrachloroethane       51       ug/l       50.0       102       70-130         Toluene       49       ug/l       50.0       98.1       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       53       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       53       ug/l       50.0       105       70-130         1,1,2-Trichloroethane       53	p-isopropyitoluene	53			ug/i	50.0		106	/0-130		
4-Methyl-2-pentanone       45       ug/l       50.0       90.5       70-130         Naphthalene       54       ug/l       50.0       109       70-130         n-Propylbenzene       53       ug/l       50.0       107       70-130         Styrene       53       ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       ug/l       50.0       103       70-130         Tetrachloroethane       50       ug/l       50.0       100       70-130         Tetrachloroethane       51       ug/l       50.0       100       70-130         Toluene       49       ug/l       50.0       102       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       53       ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53       ug/l       50.0       109       70-130         1,2,3-Trichloroethane       53       ug/l       50.0       105       70-130         1,1,2-Trichloroethane       53	Metnylene Chloride	46			ug/i	50.0		91.4	60-140		
Naphthalene       54       Ug/l       50.0       109       70-130         n-Propylbenzene       53       Ug/l       50.0       107       70-130         Styrene       53       Ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       Ug/l       50.0       103       70-130         Tetrachloroethene       50       Ug/l       50.0       100       70-130         Tetrachloroethene       50       Ug/l       50.0       100       70-130         Tetrachloroethene       51       Ug/l       50.0       102       70-130         Toluene       49       Ug/l       50.0       102       70-130         1,2,4-Trichlorobenzene       54       Ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       53       Ug/l       50.0       109       70-130         1,2,2-Trichloroethane       53       Ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53       Ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53       Ug/l       50.0       105       70-130	4-Methyl-2-pentanone	45			ug/i	50.0		90.5	/0-130		
n-Propylbenzene       53       Ug/l       50.0       107       70-130         Styrene       53       ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       ug/l       50.0       103       70-130         Tetrachloroethane       50       ug/l       50.0       103       70-130         Tetrachloroethene       50       ug/l       50.0       100       70-130         Tetrahydrofuran       51       ug/l       50.0       102       70-130         Toluene       49       ug/l       50.0       98.1       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       53       ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53       ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53       ug/l       50.0       105       70-130	Naphthalene	54			ug/i	50.0		109	/0-130		
Styrene       53       Ug/l       50.0       107       70-130         1,1,1,2-Tetrachloroethane       51       ug/l       50.0       103       70-130         Tetrachloroethane       50       ug/l       50.0       100       70-130         Tetrachloroethane       50       ug/l       50.0       100       70-130         Tetrachloroethane       51       ug/l       50.0       102       70-130         Toluene       49       ug/l       50.0       98.1       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       53       ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53       ug/l       50.0       109       70-130	n-Propylbenzene	53			ug/i	50.0		107	70-130		
1,1,1,2-1 etracnioroethane       51       Ug/l       50.0       103       70-130         Tetrachloroethene       50       ug/l       50.0       100       70-130         Tetrahydrofuran       51       ug/l       50.0       102       70-130         Toluene       49       ug/l       50.0       98.1       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       53       ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53       ug/l       50.0       105       Page 26 of 36	Styrene	53			ug/I	50.0		107	/0-130		
I etrachloroethene       50       ug/l       50.0       100       70-130         Tetrahydrofuran       51       ug/l       50.0       102       70-130         Toluene       49       ug/l       50.0       98.1       70-130         1,2,4-Trichlorobenzene       54       ug/l       50.0       109       70-130         1,2,3-Trichlorobenzene       55       ug/l       50.0       109       70-130         1,1,2-Trichloroethane       53       ug/l       50.0       105       Page 26 of 36	1,1,1,2-I etrachloroethane	51			ug/i	50.0		103	/0-130		
Tetrahydrofuran     51     ug/l     50.0     102     70-130       Toluene     49     ug/l     50.0     98.1     70-130       1,2,4-Trichlorobenzene     54     ug/l     50.0     109     70-130       1,2,3-Trichlorobenzene     55     ug/l     50.0     109     70-130       1,1,2-Trichlorobenzene     53     ug/l     50.0     109     70-130	Tetrachloroethene	50			ug/l	50.0		100	70-130		
Toluene     49     ug/l     50.0     98.1     70-130       1,2,4-Trichlorobenzene     54     ug/l     50.0     109     70-130       1,2,3-Trichlorobenzene     55     ug/l     50.0     109     70-130       1,1,2-Trichlorobenzene     53     ug/l     50.0     109     70-130	Tetrahydrofuran	51			ug/l	50.0		102	70-130		
1,2,4-Trichlorobenzene     54     ug/l     50.0     109     70-130       1,2,3-Trichlorobenzene     55     ug/l     50.0     109     70-130       1,1,2-Trichloroethane     53     ug/l     50.0     105     70-130	Toluene	49			ug/l	50.0		98.1	70-130		
1,2,3-Trichlorobenzene     55     ug/l     50.0     109     70-130       1,1,2-Trichloroethane     53     ug/l     50.0     105     70-130	1,2,4-Trichlorobenzene	54			ug/l	50.0		109	70-130		
1,1,2-Trichloroethane 53 ug/l 50.0 105 70-130 Page 26 of 36	1,2,3-Trichlorobenzene	55			ug/l	50.0		109	70-130		
	1,1,2-Trichloroethane	53			ug/i	50.0		105	70-130	Page	26 of 38

Batch:         Batch:         Perpared:         11/30/22         Analysed:         12/01/22           LSS (BL092-851)         2         upl         50.0         66.7         72-130           Trichtorotheme         49         upl         50.0         66.7         72-130           J.3, Trichtoroppen         53         upl         50.0         100         72-130           J.3, Trichtoroppen         53         upl         50.0         100         72-130           J.4, Trinthylectorop         53         upl         50.0         100         72-130           J.2, Trinthomp         100         upl         50.0         100         72-130           J.2, Trinthomp         100         upl         50.0         72-130         11.12           J.2, Trinthomp         9         00.0         73-73         71-130         11.2           J.2, Trinthomp         9         00.0         72-130         11.2         11.2           J.2, Trinthomp         51         upl         50.0         72-130         11.2           J.2, Trinthomp         51         upl         50.0         72-130         11.2           J.2, Trinthomp         51         upl<         50	Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
LS (20092-85)         Present 11/30/22 Analyzet 12/01/22           Tridmonthme         49         upf         50.0         97.13           Tridmonthme         49         upf         50.0         97.13           1,2,5-Trinkforgona         31         upf         50.0         106         77.13           1,2,5-Trinkforgona         32         upf         50.0         106         77.13           1,2,5-Trinkforgona         32         upf         50.0         106         77.13           Vinkfork         52         upf         50.0         106         77.13         1           Vinkfork         100         upf         50.0         100         97.7         77.13           L2,2-Triskforghame         49         upf         50.0         100         97.7         77.13           L2,2-Triskforghame         51         upf         50.0         100         77.13         1           Entyletchasi effer         40         upf         50.0         100         77.13         1         77.13           Entyletchasi effer         57.0         upf         50.0         100         100         77.13         1         20.2         20           Strang	Batch: B2L0092 - Purae-Trap (Co	ntinued)									
1.1.1-richlorechare524050.043.379.301.2.3-richlorechare544050.040.379.301.2.3-richlorechare534050.010.879.301.2.4-richlorechare534050.010.879.301.2.4-richlorechare504050.079.3079.301.2.4-richlorechare404050.079.3079.301.3.2-richlorechare404050.079.3079.301.3.2-richlorechare404050.070.3079.301.3.2-richlorechare404050.070.3079.301.3.2-richlorechare404050.070.3079.301.3.2-richlorechare504050.070.3079.301.3.2-richlorechare504050.070.3079.301.3.2-richlorechare504050.070.3079.301.3.2-richlorechare504050.070.3070.301.3.2-richlorechare504050.070.3070.301.3.2-richlorechare504050.070.3070.301.3.2-richlorechare504050.070.3070.301.3.2-richlorechare5060.070.3070.3070.301.3.2-richlorechare5060.070.3070.3070.301.3.2-richlorechare704050.070.3070.301.3.2-richlorechare <td< td=""><td>LCS (B2L0092-BS1)</td><td>,</td><td></td><td></td><td>Р</td><td>repared: 11/3</td><td>0/22 Analyzed</td><td>: 12/01/22</td><td></td><td></td><td></td></td<>	LCS (B2L0092-BS1)	,			Р	repared: 11/3	0/22 Analyzed	: 12/01/22			
Incidence         9         00         9.2         9.13           L3.5-Trinkopulataria         53         0.91         70-13         70-13           L3.5-Trinkopulataria         53         0.91         70-13         70-13           L3.5-Trinkopulataria         10         0.91         50.0         70-13         70-13           viper         100         0.91         50.0         70-13         70-13         70-13           L3.2-Trinkopulataria         100         0.97         70-13         70-13         70-13           L3.2-Trinkopulataria         10         0.91         50.0         70-13         70-13           L3.2-Trinkopulataria         10         97.0         70-13         70-13         70-13           L3.2-Trinkopulataria         10         97.0         97.0 </td <td>1,1,1-Trichloroethane</td> <td>52</td> <td></td> <td></td> <td>ug/l</td> <td>50.0</td> <td></td> <td>103</td> <td>70-130</td> <td></td> <td></td>	1,1,1-Trichloroethane	52			ug/l	50.0		103	70-130		
1,2,3-rniardiylamsene54up150.010879.331,2,4-rniardiylamsene53up150.010679.3311,2,4-rniardiylamsene53up150.010879.331argaVates50up150.099.879.3311argaVates90up150.079.5370.33111,3 Ottopropose51up150.070.3370.33111,3 Ottopropose51up150.070.3370.3311Disorogit chtor63up150.070.3370.33111Chtopropose51up150.070.3370.3370.331111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111111	Trichloroethene	49			ug/l	50.0		98.7	70-130		
1.3.5       1.3.6       96       0.0       166       70-130         Viny Choice       52       195       5.0       146       70-130         viny Choice       52       195       5.0       196       70-130         mitp Vytere       100       97       70-130       1       1         L1,2.3-Trinst Vytere       100       97.7       70-130       1       1         L1,2.3-Trinst Vytere       100       97.7       70-130       1       1         L1,2.3-Trinst Vytere       100       97.7       70-130       1       1         L1,2.3-Trinst Vytere       100       97.5       70-130       1       1         L1,2.3-Trinst Vytere       100       97.5       70-130       1       1         L1,2.3-Trinst Vytere       40       100       97.5       70-130       1       1         L1000000000000000000000000000000000000	1,2,3-Trichloropropane	54			ug/l	50.0		109	70-130		
1.2.4-finallybergene53upl50.010.470.30c-Xylenic504950.096.870.3011.1.2.7 Erackhonethune404050.097.570.1011.1.2.7 Erackhonethune404050.075.570.1011.3.0 Chlorpergene514050.070.370.1011.3.0 Chlorpergene514050.070.370.10170.10Erkanyl nethyl other634050.070.370.10170.101Erkanyl nethyl other534050.070.1370.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10170.10 <t< td=""><td>1,3,5-Trimethylbenzene</td><td>53</td><td></td><td></td><td>ug/l</td><td>50.0</td><td></td><td>106</td><td>70-130</td><td></td><td></td></t<>	1,3,5-Trimethylbenzene	53			ug/l	50.0		106	70-130		
Ymp1 Goode         52         up3         50.0         19.4         70.10           rskpring         100         9.7         70.130             ntkp-Vylaes         100         9.7         70.130             1,1,2,7-2rfastAloresthare         100         9.7         70.130             1,2,3-2rfastAloresthare         100         9.7         70.130             13.3 Octorogroppore         53         0.041         50.0         10.3         70.130             Environtalizacomethare         55         0.041         50.0         10.1         70.130             Samgate: - Acadone         72         0.041         50.0         10.1         70.130             Samgate: - Acadone         72         0.041         50.0         10.7         70.130         1.32         30           Branse         72         0.041         50.0         10.7         70.130         1.32         30           Branse         72         0.041         50.0         10.2         70.130         1.32         30           Branse         47	1,2,4-Trimethylbenzene	53			ug/l	50.0		105	70-130		
or Xylenc50wpl50.099.070.301,1,2,210099.070.3011,1,2,210095.097.370.1011,3.013.010099.070.3011,3.013.010099.070.3011,3.013.010099.070.3011.3.010095.011070.101Dispropriy chor510.0170.101Dispropriy chor530.0170.101Dispropriy chor510.0170.101Dispropriy chor510.0170.101Dispropriy chor510.0170.101Simgait: - Joundinoutchorement5090.070.10122Simgait: - Joundinoutchorement720.0150.011070.10Dispropriy720.0150.011070.1012230Branchinoutchorement740.0150.011070.1012230Branchinoutchorement540.0170.1010012330Branchinoutchorement540.0170.1010012330Branchinoutchorement530.0170.1010010030Branchinoutchorement540.0170.1010010030Branchinoutchorement540.0170.1010010030Branchinoutchorement54<	Vinyl Chloride	52			ug/l	50.0		104	70-130		
migh Xylen       100       99.7       70.130       Vert Xylen       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130       70.130	o-Xylene	50			ug/l	50.0		99.9	70-130		
1,1,2,2,71stachlorozethane       99       0,91       50.0       75.0       70-130         1,3 Olchorozethane       51       0,91       50.0       13.0       70.130       70.130         1,3 Olchorozethane       51       0,91       50.0       85.0       70.130       70.130         Dispersynget the*       63       0,91       50.0       123       70-130       70.130         Surragett: - Alexandbuckettere       53       0,91       50.0       123       70-130       70.130         Surragett: - Alexandbuckettere       50.4       0,91       50.0       2.28       70.130       72.30         Surragett: - Alexandbuckettere       51.0       0,91       50.0       94.0       70.10       70.130       130         Surragett: - Alexandbuckettere       72       0,91       50.0       94.0       70.10       130       30         Surragett: - Alexandbuckettere       74       0,91       50.0       94.0       70.10       148       30         Surragett: - Alexandbuckettere       74       0,91       50.0       107       70.130       152       30         Surragett: - Alexandbuckettere       54       0,91       50.0       107       70.130       15	m&p-Xylene	100			ug/l	100		99.7	70-130		
brt-Amp         38         091         50.0         7.3         7-130           L3-Dichkoorghomp         51         091         50.0         103         71-30           Brty Intribunyi ther         40         091         50.0         85.3         70-30           Endy Intribunyi ther         53         091         50.0         113         70-30           Surragare: -Anonabiacaberane         53         091         50.0         123         70-30           Surragare: -Anonabiacaberane         50.4         091         50.0         102         70-130           Surragare: -Anonabiacaberane         50.4         091         50.0         102         70-130         1.32         30           Surragare: -Anonabiacaberane         72         091         50.0         104         70-130         1.32         30           Bromadichromethane         19         091         50.0         104         70-130         1.48         30           Bromadichromethane         19         091         50.0         1018         70-130         1.48         30           Bromadichromethane         19         091         50.0         107         70-130         1.48         30	1,1,2,2-Tetrachloroethane	49			ug/l	50.0		97.5	70-130		
1,3-04Chinopropane       51       091       50.0       103       70-130         Discorpoy ether       40       091       50.0       85.3       70-130         Discorpoy ether       55       091       50.0       111       70-130         Surrogate:	tert-Amyl methyl ether	38			ug/l	50.0		75.9	70-130		
Ethy terber         40         000         85.0         80.0         70-13           Disperpy (Herr         43         001         50.0         11.1         70-13           Sumgate: +Bronothancethane         51         001         123         70-13           Sumgate: -Bronothancethane         50.4         0.01         50.0         123         70-130           Sumgate: 12-Dichlorecthane-of         46.4         ugl         50.0         101         70-130           Sumgate: 12-Dichlorecthane-of         12.0         90.0         102         70-130         1.32         30           Remarker-30         72         001         50.0         107         70-130         1.32         30           Bername         72         001         50.0         107         70-130         1.32         30           Bronothancethane         64         0.0         97.7         70-130         4.88         30           Bronothancethane         53         0.01         50.0         112         70-130         6.64         30           Bronothancethane         53         0.01         50.0         112         70-130         6.11         30         50.0         102         70-130<	1,3-Dichloropropane	51			ug/l	50.0		103	70-130		
Description         43         49         5.0.0         8.3.3         7.1.30           Dichlorodhuoromehne         51         49         50.0         1.23         70.1.30           Surragate:	Ethyl tert-butyl ether	40			ug/i	50.0		80.0	70-130		
Inclination         S3         Ugil         SUU         111         //-130           Surgate:         4800         123         70-130         70-130         70-130           Surgate:         2.010         50.0         0.01         20.0         22.8         70-130           Surgate:         2.010         50.0         0.02         20.10         70-130         1.02         90.0         1.02         90.0         70.130         0.02         30.0           Bronchered/0         72         Ugil         50.0         97.7         70-130         0.130         30.0           Bronchonentame         64         Ugil         50.0         97.7         70-130         0.130         30.0           Bronchonentame         54         Ugil         50.0         107         70-130         4.88         30.0           Bronchonentame         54         Ugil         50.0         107         70-130         4.64         30.0         107.0         70.130         4.88         30.0           Bronchonentame         53         Ugil         50.0         107         70.130         4.61         30.0         107         70.130         6.64         30           Bronchorenta	Diisopropyl ether	43			ug/i	50.0		85.3	/0-130		
Lichmennennennen         61         400         50.0         123         7.213         7.213           Sarragster 4,2-0.chkonesthane.ed         56.4         409         50.0         122         70-130           Sarragster 1,2-0.chkonesthane.ed         51.0         40         50.0         122         70-130           Sarragster 1,2-0.chkonesthane.ed         72         409         50.0         144         70-130         0.22         30           Barane         72         409         50.0         144         70-130         0.130         30           Bromochoromethane         54         409         50.0         107         70-130         0.130         30           Bromochoromethane         54         409         50.0         108         70-130         0.52         30           Bromochoromethane         53         409         50.0         108         70-130         0.51         30           Chrone transo         33         409         50.0         105         70-130         0.511         30           Turt Budy lacinche         33         409         50.0         106         70-130         0.511         30           Unt Budy lacinche         33	l'richiorofiuoromethane	55			ug/i	50.0		111	70-130		
Surraget:         St.0         Ug1         St.0	Dichlorodifiuoromethane	10			ug/i	50.0		123	/0-130		
Surraget:         Line Data         16.4         upl         50.0         92.8         70-170           Surraget:         SL0         upl         S0.0         120         70-170           LCS Dup (B2L0092-BSD1)         Prepared:         11/30/22. Analyzet:         12/01/22           Actione         72         upl         50.0         94.4         70-130         0.132         30           Bronnechomethane         49         upl         50.0         94.3         70-130         0.132         30           Bronnechormethane         49         upl         50.0         97.7         70-130         4.88         30           Bronnechormethane         53         upl         50.0         107         70-130         1.72         30           2-Butanone         1g4         50.0         106         70-130         1.77         30           2-Butanone         1g4         50.0         105         70-130         0.114         30           uet-Buty Atchol         99         upl         50.0         105         70-130         0.114         30           uet-Buty Atchol         99         upl         50.0         106         70-130         0.114         30<	Surrogate: 4-Bromofluorobenzene			50.4	ug/l	50.0		101	70-130		
Surrage/st: Tolkum-edb         51.0         ugl         50.0         102         79.130           LCS Dug (B2L0092-BSD1)         Prepared: 11/30/22 Analyzed: 12/01/22         Actione         72         ugl         50.0         1.44         70.130         1.32         30           Berzene         47         ugl         50.0         94.9         70.130         1.32         30           Bromoberzene         54         ugl         50.0         97.7         70.130         6.84         30           Bromodchloromethane         59         ugl         50.0         112         70.130         6.64         30           Bromodchloromethane         53         ugl         50.0         1107         70.130         6.52         30           Bromodchloromethane         53         ugl         50.0         105         70.130         6.51         30           Bromodchloromethane         53         ugl         50.0         105         70.130         0.511         30           etabulyberzene         53         ugl         50.0         107         70.130         0.511         30           Carbon Deulinde         72         ugl         50.0         106         70.130	Surrogate: 1,2-Dichloroethane-d4			46.4	ug/l	50.0		92.8	70-130		
LCS Doug (B2L0092-BSD1)         Prepared: 11/30/22 Analyzed: 12/01/22         Value	Surrogate: Toluene-d8			51.0	ug/l	50.0		102	70-130		
Acatore         72         491         50.0         144         70-130         20.2         30           Berance         47         491         50.0         167         70-130         1.32         30           Bromchenzere         54         491         50.0         107         70-130         1.32         30           Bromchinormethane         54         491         50.0         112         70-130         6.64         30           Bromchinormethane         55         491         50.0         77.2         70-130         6.64         30           Bromodelhonemethane         39         491         50.0         77.2         70-130         6.61         30           Bromodelhonemethane         33         491         50.0         77.2         70-130         6.61         30           Bromodelhane         33         491         50.0         106         70-130         6.11         30           Bromodelhane         53         491         50.0         106         70-130         6.11         30           Bromodelhonzene         53         491         50.0         683         70-130         6.11         30           Carhor Tarcho	LCS Dup (B2L0092-BSD1)				Р	repared: 11/3	0/22 Analyzed	: 12/01/22			
Benzene         47         ug/l         50.0         94.7         70-130         1.12         30           Bromochloromethane         54         ug/l         50.0         107         70-130         1.02         30           Bromochloromethane         54         ug/l         50.0         102         70-130         6.48         30           Bromochloromethane         53         ug/l         50.0         172         70-130         6.52         30           2-Butanone         39         ug/l         50.0         172         70-130         6.52         30           2-Butanone         53         ug/l         50.0         105         70-130         0.511         30           tert-But/lachol         99         ug/l         50.0         105         70-130         0.351         30           tert-But/lachol         99         ug/l         50.0         106         70-130         0.317         30           carbon Disulfie         44         ug/l         50.0         94.7         70-130         1.16         30           Carbon Disulfie         49         ug/l         50.0         94.7         70-130         1.16         30	Acetone	72			ug/l	50.0		144	70-130	20.2	30
Bromochiormethane       54       ug/l       50.0       177       70-130       4.48       30         Bromochiormethane       54       ug/l       50.0       102       70-130       4.48       30         Bromochiormethane       56       ug/l       50.0       112       70-130       4.78       30         Bromochiormethane       53       ug/l       50.0       107       70-130       4.78       30         Sec.ButyBenzene       53       ug/l       50.0       105       70-130       4.82       30         methutyIdenzene       53       ug/l       50.0       105       70-130       0.561       30         MethyIt-butyIdenzene       53       ug/l       50.0       107       70-130       0.611       30         Carbon Tetrachiorde       52       ug/l       50.0       107       70-130       0.611       30         Carbon Tetrachiorde       52       ug/l       50.0       104       70-130       1.16       30         Chiorothane       61       ug/l       50.0       104       70-130       1.17       30         Chiorothane       53       ug/l       50.0       107       70-130 <td< td=""><td>Benzene</td><td>47</td><td></td><td></td><td>ug/l</td><td>50.0</td><td></td><td>94.9</td><td>70-130</td><td>1.32</td><td>30</td></td<>	Benzene	47			ug/l	50.0		94.9	70-130	1.32	30
Bromochkoromethane         49         49/l         50.0         97.7         70.30         4.88         30           Bromochkoromethane         56         ug/l         50.0         112         70-130         2.7.8         30           Bromochkine         53         ug/l         50.0         172         70-130         2.7.8         30           Bromochkine         53         ug/l         50.0         77.2         70-130         8.52         30           sec-Butylbenzene         53         ug/l         50.0         105         70-130         6.61         30           sec-Butylbenzene         53         ug/l         50.0         107         70-130         0.611         30           Methyl-butylether         53         ug/l         50.0         107         70-130         0.611         30           Carbon Disilifie         44         ug/l         50.0         88.3         70-130         0.511         30           Carbon Disilifie         47         ug/l         50.0         94.7         70-130         1.16         30           Chronotsenare         61         ug/l         50.0         104         70-130         1.17         30	Bromobenzene	54			ug/l	50.0		107	70-130	0.130	30
Bromodichloromethane       54       Ug/l       50.0       108       70-130       1.9.2       30         Bromormethane       53       Ug/l       50.0       117       70-130       2.7.8       30         2-btanone       39       Ug/l       50.0       172       70-130       6.64       30         2-btanone       39       Ug/l       50.0       105       70-130       0.611       30         sce-Butylbenzene       53       Ug/l       50.0       105       70-130       0.611       30         m-Butylbenzene       53       Ug/l       50.0       106       70-130       0.317       30         Methyl-butyl ether (MTBE)       44       Ug/l       50.0       104       70-130       6.11       30         Carbon Tetracholde       52       Ug/l       50.0       104       70-130       0.317       30         Charbon Tetracholde       52       Ug/l       50.0       104       70-130       1.16       30         Charbon Tetracholde       52       Ug/l       50.0       105       70-130       1.17       30         Charbon Tetracholde       52       Ug/l       50.0       105       70-130	Bromochloromethane	49			ug/l	50.0		97.7	70-130	4.88	30
Bromochame       56       ug/l       50.0       112       70-130       6.64       30         Bromonethame       39       ug/l       50.0       77.2       70-130       1.07       30         2-Butanone       39       ug/l       50.0       77.2       70-130       8.52       30         ce-Butylberzene       53       ug/l       50.0       106       70-130       0.611       30         n-Butylberzene       53       ug/l       50.0       106       70-130       0.611       30         ce-Butylberzene       53       ug/l       50.0       107       70-130       0.0561       30         dethyl-Butylether (MTBE)       44       ug/l       50.0       94.7       70-130       6.11       30         Carbon Tetrachloride       52       ug/l       50.0       104       70-130       1.10       30         Chioroberzene       49       ug/l       50.0       1021       70-130       1.17       30         Chioroberhane       51       ug/l       50.0       1017       70-130       3.44       30         Chioroberhane       52       ug/l       50.0       105       70-130       3.48	Bromodichloromethane	54			ug/l	50.0		108	70-130	1.92	30
Bromomethane       53       ugh       50.0       107       70-130       2.7.8       30         2-blurance       39       ugh       50.0       77.2       70-130       1.0.7       30         tert-Burylacohol       99       ugh       50.0       105       70-130       0.611       30         sec-Burylbenzene       53       ugh       50.0       107       70-130       0.611       30         tert-Burylbenzene       53       ugh       50.0       107       70-130       0.317       30         Carbon Disulfide       47       ugh       50.0       94.7       70-130       6.11       30         Carbon Disulfide       47       ugh       50.0       94.7       70-130       1.16       30         Chiorobenzene       61       ugh       50.0       96.6       70-130       1.17       30         Chiorobenzene       61       ugh       50.0       96.6       70-130       3.84       30         Chiorobenzene       52       ugh       50.0       105       70-130       3.84       30         Chiorobuene       52       ugh       50.0       107       70-130       3.84       30	Bromoform	56			ug/l	50.0		112	70-130	6.64	30
2-butchone         39         49/4         50.0         77.2         70-130         8.7         30           tert-butylachol         99         49/4         50.0         105         70-130         8.2         30           sec-Butylbenzene         53         49/4         50.0         106         70-130         0.611         30           tert-butylbenzene         53         49/4         50.0         107         70-130         0.0561         30           tert-butylbenzene         53         49/4         50.0         88.3         70-130         6.11         30           Carbon Disulfide         47         49/4         50.0         94.7         70-130         6.11         30           Chorobenzene         49         49/4         50.0         94.1         70-130         1.10         30           Chloroform         48         49/4         50.0         105         70-130         3.84         30           Chloroform         48         49/4         50.0         105         70-130         3.84         30           Chloroform         48         49/4         50.0         105         70-130         3.84         30           Lobro	Bromomethane	53			ug/l	50.0		107	70-130	27.8	30
tert-Buty/actional         99         99         94/4         50.0         198         70-130         8.52         30           see:Buty/benzene         53         94/4         50.0         105         70-130         0.114         30           n-Buty/benzene         53         94/7         50.0         107         70-130         0.056         30           tert-Buty/benzene         53         94/7         50.0         94.7         70-130         0.114         30           Carbon Disulfide         47         94/7         50.0         94.7         70-130         0.11         30           Carbon Tetrachloride         52         94/7         50.0         94.1         70-130         0.11.7         30           Chlorobenzene         61         94/7         50.0         96.6         70-130         0.17.7         30           Chloroform         48         94/7         50.0         107         70-130         0.875         30           2-Chlorotoluene         52         94/7         50.0         105         70-130         0.875         30           1/2-Dibromo-3-chloropropane (DBCP)         55         94/7         50.0         108         70-130 <t< td=""><td>2-Butanone</td><td>39</td><td></td><td></td><td>ug/l</td><td>50.0</td><td></td><td>77.2</td><td>70-130</td><td>1.07</td><td>30</td></t<>	2-Butanone	39			ug/l	50.0		77.2	70-130	1.07	30
sec-supperizence       53       ug/l       50.0       105       70-130       10.611       30         n-Butylbenzene       53       ug/l       50.0       107       70-130       0.0561       30         Methyl bhutyl ether (MTBE)       44       ug/l       50.0       94.7       70-130       0.117       30         Carbon Disulfide       52       ug/l       50.0       104       70-130       1.16       30         Chlorobenzene       49       ug/l       50.0       98.1       70-130       1.16       30         Chlorobenzene       49       ug/l       50.0       98.1       70-130       1.16       30         Chlorobenzene       61       ug/l       50.0       98.1       70-130       1.17       30         Chlorobenzene       53       ug/l       50.0       107       70-130       3.84       30         Chlorobenzene       52       ug/l       50.0       105       70-130       3.84       30         Chlorobenzene       52       ug/l       50.0       105       70-130       3.48       30         1,2-Dibromochance       53       ug/l       50.0       108       70-130       3.48	tert-Butyl alcohol	99			ug/i	50.0		198	/0-130	8.52	30
h-butypenzene       53       ug/l       5.0       100       70-130       0.0561       30         Methyl t-butyl ether (MTBE)       44       ug/l       50.0       98.3       70-130       0.0317       30         Carbon Disulfide       47       ug/l       50.0       98.1       70-130       0.114       30         Carbon Tetrachloride       52       ug/l       50.0       104       70-130       0.110       30         Chlorobernzene       49       ug/l       50.0       98.1       70-130       0.117       30         Chlorobernzene       61       ug/l       50.0       121       70-130       0.873       30         Chloroberne       53       ug/l       50.0       105       70-130       0.873       30         Chlorobrid       48       ug/l       50.0       105       70-130       0.873       30         Chlorobrid       52       ug/l       50.0       111       70-130       0.575       30         1,2-0 bloromochane       53       ug/l       50.0       111       70-130       0.575       30         1,2-0 bloromochane       53       ug/l       50.0       108       70-130	sec-Butylbenzene	53			ug/i	50.0		105	70-130	0.611	30
let redultatelle       33       ug/l       50.0       10/l       70-130       0.0317       30         Carbon Disulfide       47       ug/l       50.0       94.7       70-130       6.11       30         Carbon Disulfide       52       ug/l       50.0       94.1       70-130       1.16       30         Chlorobenzene       49       ug/l       50.0       121       70-130       1.10       30         Chlorobenzene       49       ug/l       50.0       121       70-130       1.17       30         Chlorobenzene       61       ug/l       50.0       107       70-130       3.84       30         Chlorobenzene       52       ug/l       50.0       105       70-130       0.575       30         Chlorobromethane       52       ug/l       50.0       105       70-130       0.575       30         1,2-Dibromo-3-chloropropane (DBCP)       55       ug/l       50.0       111       70-130       0.203       30         Dibromochloromethane (EDB)       54       ug/l       50.0       108       70-130       0.203       30         1,4-Dichlorobenzene       53       ug/l       50.0       106 <t< td=""><td>n-Butylbenzene</td><td>53</td><td></td><td></td><td>ug/i</td><td>50.0</td><td></td><td>105</td><td>70-130</td><td>0.114</td><td>30</td></t<>	n-Butylbenzene	53			ug/i	50.0		105	70-130	0.114	30
neutry Euler (In B2)       44       ugl       50.0       36.3       70-130       0.31       30         Carbon Diguifide       47       ugl       50.0       94.7       70-130       1.16       30         Carbon Diguifide       52       ugl       50.0       98.1       70-130       1.10       30         Chlorobenzene       61       ugl       50.0       98.1       70-130       1.17       30         Chlorobertane       61       ugl       50.0       96.6       70-130       0.873       30         Chlorobertane       53       ugl       50.0       105       70-130       0.875       30         Chlorobuene       52       ugl       50.0       105       70-130       0.575       30         12-Olbromo-3-chloropopane (DBCP)       55       ugl       50.0       111       70-130       0.48       30         12-Olbromo-3-chloropopane (DBCP)       55       ugl       50.0       108       70-130       0.203       30         Dibromchloromethane       53       ugl       50.0       108       70-130       0.81       30         1,2-Dichorobenzene       53       ugl       50.0       108       7	Nethyd t hythd ether (MTRE)	53			ug/l	50.0		107	70-130	0.0501	20
Carbon Distance       47       ugh       50.0       94.7       70-130       0.11       30         Carbon Testachloride       52       ugh       50.0       98.1       70-130       1.16       30         Chlorobenzene       49       ugh       50.0       121       70-130       1.17       30         Chlorobenzene       61       ugh       50.0       96.6       70-130       0.873       30         Chlorobenzene       53       ugh       50.0       105       70-130       0.575       30         Chlorobure       52       ugh       50.0       105       70-130       0.575       30         2-Chlorotoluene       52       ugh       50.0       105       70-130       0.575       30         1,2-Dibromo-3-chloropopane (DBCP)       55       ugh       50.0       108       70-130       0.203       30         Dibromchhane (EDB)       54       ugh       50.0       108       70-130       0.801       30         1,2-Dibromoethane (EDB)       54       ugh       50.0       106       70-130       0.801       30         1,3-Dichlorobenzene       53       ugh       50.0       106       70-130	Carbon Disulfido	47			ug/l	50.0		00.5	70-130	6.11	30
Chloroberzene       12       101       70-130       1.10       30         Chloroberzene       61       ug/l       50.0       98.1       70-130       1.10       30         Chlorobertane       61       ug/l       50.0       96.6       70-130       0.873       30         Chlorobrum       48       ug/l       50.0       107       70-130       0.873       30         Chlorobrutene       53       ug/l       50.0       105       70-130       0.873       30         4-Chlorobulene       52       ug/l       50.0       105       70-130       0.575       30         1,2-Dibromo-3-chloropropane (DBCP)       55       ug/l       50.0       107       70-130       3.48       30         1,2-Dibromo-thane       53       ug/l       50.0       107       70-130       3.48       30         1,2-Dibromo-thane (EDB)       54       ug/l       50.0       108       70-130       0.801       30         1,2-Dichlorobenzene       53       ug/l       50.0       108       70-130       0.81       30         1,2-Dichlorobenzene       52       ug/l       50.0       106       70-130       2.81       30 <td>Carbon Tetrachloride</td> <td>52</td> <td></td> <td></td> <td>ug/l</td> <td>50.0</td> <td></td> <td>104</td> <td>70-130</td> <td>1 16</td> <td>30</td>	Carbon Tetrachloride	52			ug/l	50.0		104	70-130	1 16	30
Chlorodatilicite       13       0       500       101       70-130       11.7       30         Chloroform       48       ug/l       50.0       107       70-130       0.873       30         Chloroform       53       ug/l       50.0       107       70-130       0.873       30         Chloroform       52       ug/l       50.0       105       70-130       0.575       30         2-Chlorofoluene       52       ug/l       50.0       111       70-130       0.575       30         1,2-Dibromo-3-chloropropane (DBCP)       55       ug/l       50.0       107       70-130       0.575       30         1,2-Dibromo-thoromethane       53       ug/l       50.0       111       70-130       0.575       30         1,2-Dibromo-thoromethane (EDB)       54       ug/l       50.0       108       70-130       0.801       30         1,3-Dichlorobenzene       53       ug/l       50.0       108       70-130       2.81       30         1,4-Dichlorobenzene       52       ug/l       50.0       104       70-130       2.81       30         1,4-Dichlorobenzene       53       ug/l       50.0       104	Chlorobenzene	49			ug/l	50.0		98.1	70-130	1.10	30
Chloroform       48       ug/l       50.0       96.6       70.130       0.8.73       30         Chloroform       53       ug/l       50.0       107       70-130       3.84       30         4-Chlorotoluene       52       ug/l       50.0       105       70-130       0.575       30         2-Chlorotoluene       52       ug/l       50.0       105       70-130       0.575       30         1,2-Dibromo-3-chloropopane (DBCP)       55       ug/l       50.0       107       70-130       3.84       30         1,2-Dibromo-thane       53       ug/l       50.0       107       70-130       3.84       30         1,2-Dibromo-thane (EDB)       54       ug/l       50.0       108       70-130       3.84       30         1,2-Dichlorobenzene       53       ug/l       50.0       108       70-130       3.84       30         1,3-Dichlorobenzene       53       ug/l       50.0       108       70-130       2.81       30         1,4-Dichlorobenzene       52       ug/l       50.0       106       70-130       2.81       30         1,4-Dichlorobenzene       53       ug/l       50.0       106 <t< td=""><td>Chloroethane</td><td>61</td><td></td><td></td><td>ug/l</td><td>50.0</td><td></td><td>121</td><td>70-130</td><td>11.7</td><td>30</td></t<>	Chloroethane	61			ug/l	50.0		121	70-130	11.7	30
Chloromethane       53       ug/l       50.0       107       70-130       3.84       30         4-Chlorotoluene       52       ug/l       50.0       105       70-130       0.575       30         2-Chlorotoluene       52       ug/l       50.0       105       70-130       0.575       30         1,2-Dibromo-3-chloropropane (DBCP)       55       ug/l       50.0       111       70-130       3.48       30         Dibromochloromethane       53       ug/l       50.0       107       70-130       3.48       30         1,2-Dibromo-dthane (EDB)       54       ug/l       50.0       108       70-130       0.203       30         1,2-Dichlorobenzene       53       ug/l       50.0       108       70-130       0.201       30         1,2-Dichlorobenzene       53       ug/l       50.0       108       70-130       0.801       30         1,3-Dichlorobenzene       53       ug/l       50.0       106       70-130       2.39       30         1,3-Dichlorobenzene       52       ug/l       50.0       93.6       70-130       3.17       30         1,2-Dichloroethane       47       ug/l       50.0	Chloroform	48			ug/l	50.0		96.6	70-130	0.873	30
4-Chlorotoluene       52       ug/l       50.0       105       70-130       0.575       30         2-Chlorotoluene       52       ug/l       50.0       105       70-130       0.575       30         1,2-Dibromo-3-chloropropane (DBCP)       55       ug/l       50.0       111       70-130       3.48       30         1,2-Dibromochlaromethane       53       ug/l       50.0       107       70-130       3.48       30         1,2-Dibromochane (EDB)       54       ug/l       50.0       108       70-130       0.801       30         Dibromomethane       53       ug/l       50.0       108       70-130       0.801       30         1,2-Dichlorobenzene       53       ug/l       50.0       106       70-130       2.81       30         1,3-Dichlorobenzene       53       ug/l       50.0       106       70-130       2.39       30         1,4-Dichlorobenzene       47       ug/l       50.0       93.6       70-130       3.17       30         1,2-Dichloroethane       49       ug/l       50.0       98.7       70-130       1.17       30         trans-1,2-Dichloroethene       47       ug/l       50.0	Chloromethane	53			ug/l	50.0		107	70-130	3.84	30
2-Chlorotoluene       52       ug/l       50.0       105       70-130       0.575       30         1,2-Dibromo-3-chloropropane (DBCP)       55       ug/l       50.0       111       70-130       3.48       30         Dibromochloromethane       53       ug/l       50.0       107       70-130       3.48       30         1,2-Dibromoethane (EDB)       54       ug/l       50.0       108       70-130       0.801       30         1,2-Dichlorobenzene       53       ug/l       50.0       108       70-130       2.81       30         1,3-Dichlorobenzene       53       ug/l       50.0       106       70-130       2.39       30         1,4-Dichlorobenzene       53       ug/l       50.0       106       70-130       2.39       30         1,4-Dichlorobenzene       52       ug/l       50.0       104       70-130       2.39       30         1,2-Dichloroethane       47       ug/l       50.0       93.6       70-130       3.17       30         1,2-Dichloroethene       47       ug/l       50.0       98.7       70-130       3.17       30         1,2-Dichloroethene       44       ug/l       50.0	4-Chlorotoluene	52			ug/l	50.0		105	70-130	0.575	30
1,2-Dibromo-3-chloropropane (DBCP)       55       ug/l       50.0       111       70-130       1.69       30         Dibromochloromethane       53       ug/l       50.0       107       70-130       3.48       30         1,2-Dibromoethane (EDB)       54       ug/l       50.0       108       70-130       0.203       30         Dibromomethane       54       ug/l       50.0       108       70-130       0.801       30         1,2-Dichlorobenzene       53       ug/l       50.0       105       70-130       2.81       30         1,3-Dichlorobenzene       53       ug/l       50.0       106       70-130       0.921       30         1,4-Dichlorobenzene       52       ug/l       50.0       104       70-130       2.39       30         1,2-Dichloroethane       47       ug/l       50.0       93.6       70-130       3.17       30         1,2-Dichloroethene       49       ug/l       50.0       88.7       70-130       2.71       30         cis-1,2-Dichloroethene       40       ug/l       50.0       80.0       70-130       2.71       30         1,2-Dichloroethene       40       ug/l       50.0	2-Chlorotoluene	52			ug/l	50.0		105	70-130	0.575	30
Dibromochloromethane         53         ug/l         50.0         107         70-130         3.48         30           1,2-Dibromoethane (EDB)         54         ug/l         50.0         108         70-130         0.203         30           Dibromoethane         54         ug/l         50.0         108         70-130         0.801         30           1,2-Dichlorobenzene         53         ug/l         50.0         105         70-130         2.81         30           1,3-Dichlorobenzene         53         ug/l         50.0         106         70-130         0.921         30           1,4-Dichlorobenzene         52         ug/l         50.0         104         70-130         3.17         30           1,2-Dichloroethane         47         ug/l         50.0         98.7         70-130         1.17         30           1,2-Dichloroethane         49         ug/l         50.0         88.7         70-130         3.46         30           1,1-Dichloroethene         40         ug/l         50.0         80.0         70-130         3.46         30           1,2-Dichloropthene         40         ug/l         50.0         80.0         70-130         8.63	1,2-Dibromo-3-chloropropane (DBCP)	55			ug/l	50.0		111	70-130	1.69	30
1,2-Dibromoethane (EDB)54ug/l50.010870-1300.20330Dibromomethane54ug/l50.010870-1300.801301,2-Dichlorobenzene53ug/l50.010570-1302.81301,3-Dichlorobenzene53ug/l50.010670-1300.921301,4-Dichlorobenzene52ug/l50.010470-1302.39301,1-Dichloroethane47ug/l50.093.670-1303.17301,2-Dichloroethane49ug/l50.098.770-1301.1730trans-1,2-Dichloroethene44ug/l50.088.770-1302.7130i,1-Dichloroethene47ug/l50.088.770-1303.4630i,2-Dichloroethene47ug/l50.080.070-1308.6330i,2-Dichloroethene40ug/l50.080.070-1308.6330i,2-Dichloropane48ug/l50.082.070-1300.084230i,2-Dichloropropane41ug/l50.082.070-1300.14630i,3-Dichloropropene49ug/l50.097.370-1302.4430i,2-Dichloropropene49ug/l50.097.370-1305.9230i,2-Dichloropropene49ug/l50.097.370-1305.9230i,3-Dichloroprope	Dibromochloromethane	53			ug/l	50.0		107	70-130	3.48	30
Dibromomethane54ug/l50.010870-1300.801301,2-Dichlorobenzene53ug/l50.010570-1302.81301,3-Dichlorobenzene53ug/l50.010670-1300.921301,4-Dichlorobenzene52ug/l50.010470-1302.39301,1-Dichloroethane47ug/l50.093.670-1303.17301,2-Dichloroethane49ug/l50.098.770-1301.1730trans-1,2-Dichloroethane44ug/l50.088.770-1302.7130dis-1,2-Dichloroethane47ug/l50.088.770-1303.46301,1-Dichloroethane40ug/l50.080.070-1308.63301,2-Dichloroethane40ug/l50.080.070-1300.0842301,2-Dichloroptopane48ug/l50.082.070-1300.146302,2-Dichloropropane41ug/l50.082.070-1300.14630cis-1,3-Dichloropropane49ug/l50.097.370-1302.4430cis-1,3-Dichloropropane49ug/l50.097.370-1302.4430cis-1,3-Dichloropropane49ug/l50.097.370-1302.4430cis-1,3-Dichloropropane49ug/l50.097.370-1305.9230<	1,2-Dibromoethane (EDB)	54			ug/l	50.0		108	70-130	0.203	30
1,2-Dichlorobenzene53ug/l50.010570-1302.81301,3-Dichlorobenzene53ug/l50.010670-1300.921301,4-Dichlorobenzene52ug/l50.010470-1302.39301,1-Dichloroethane47ug/l50.093.670-1303.17301,2-Dichloroethane49ug/l50.098.770-1301.1730trans-1,2-Dichloroethene44ug/l50.088.770-1302.7130cis-1,2-Dichloroethene47ug/l50.088.770-1303.46301,1-Dichloroethene40ug/l50.080.070-1308.63301,2-Dichloroethene40ug/l50.080.070-1308.63301,2-Dichloropropane48ug/l50.080.070-1300.0842302,2-Dichloropropane41ug/l50.082.070-1300.14630cis-1,3-Dichloropropene49ug/l50.097.370-1302.4430cis-1,3-Dichloropropene51ug/l50.097.370-1302.4430trans-1,3-Dichloropropene51ug/l50.097.370-1302.9230	Dibromomethane	54			ug/l	50.0		108	70-130	0.801	30
1,3-Dichlorobenzene53ug/l50.010670-1300.921301,4-Dichlorobenzene52ug/l50.010470-1302.39301,1-Dichloroethane47ug/l50.093.670-1303.17301,2-Dichloroethane49ug/l50.098.770-1301.1730trans-1,2-Dichloroethene44ug/l50.088.770-1302.7130cis-1,2-Dichloroethene47ug/l50.088.770-1303.46301,1-Dichloroethene40ug/l50.080.070-1308.63301,2-Dichloroptopane48ug/l50.095.170-1300.0842302,2-Dichloroptopane41ug/l50.082.070-1300.14630cis-1,3-Dichloropropane49ug/l50.097.370-1302.4430cis-1,3-Dichloropropane51ug/l50.097.370-1302.4430	1,2-Dichlorobenzene	53			ug/l	50.0		105	70-130	2.81	30
1,4-Dichlorobenzene52ug/l50.010470-1302.39301,1-Dichloroethane47ug/l50.093.670-1303.17301,2-Dichloroethane49ug/l50.098.770-1301.1730trans-1,2-Dichloroethene44ug/l50.088.770-1302.7130cis-1,2-Dichloroethene47ug/l50.093.670-1303.46301,1-Dichloroethene40ug/l50.080.070-1308.63301,2-Dichloropropane48ug/l50.095.170-1300.0842302,2-Dichloropropane41ug/l50.082.070-1300.14630cis-1,3-Dichloropropane49ug/l50.097.370-1302.4430trans-1,3-Dichloropropene51ug/l50.010370-1305.9230	1,3-Dichlorobenzene	53			ug/l	50.0		106	70-130	0.921	30
1,1-Dichloroethane47ug/l50.093.670-1303.17301,2-Dichloroethane49ug/l50.098.770-1301.1730trans-1,2-Dichloroethene44ug/l50.088.770-1302.7130cis-1,2-Dichloroethene47ug/l50.093.670-1303.46301,1-Dichloroethene40ug/l50.080.070-1308.63301,2-Dichloropthene48ug/l50.095.170-1300.0842302,2-Dichloroptopane41ug/l50.082.070-1300.14630cis-1,3-Dichloroptopene49ug/l50.097.370-1302.4430trans-1,3-Dichloroptopene51ug/l50.010370-1305.9230	1,4-Dichlorobenzene	52			ug/l	50.0		104	70-130	2.39	30
1,2-Dichloroethane49ug/l50.098.770-1301.1730trans-1,2-Dichloroethene44ug/l50.088.770-1302.7130cis-1,2-Dichloroethene47ug/l50.093.670-1303.46301,1-Dichloroethene40ug/l50.080.070-1308.63301,2-Dichloropropane48ug/l50.095.170-1300.0842302,2-Dichloropropane41ug/l50.082.070-1300.14630cis-1,3-Dichloropropene49ug/l50.097.370-1302.4430trans-1,3-Dichloropropene51ug/l50.010370-1305.9230	1,1-Dichloroethane	47			ug/l	50.0		93.6	70-130	3.17	30
trans-1,2-Dichloroethene       44       ug/l       50.0       88.7       70-130       2.71       30         cis-1,2-Dichloroethene       47       ug/l       50.0       93.6       70-130       2.71       30         1,1-Dichloroethene       40       ug/l       50.0       93.6       70-130       3.46       30         1,2-Dichloropthene       40       ug/l       50.0       80.0       70-130       8.63       30         1,2-Dichloroptopane       48       ug/l       50.0       95.1       70-130       0.0842       30         2,2-Dichloroptopane       41       ug/l       50.0       82.0       70-130       0.146       30         cis-1,3-Dichloropropene       49       ug/l       50.0       97.3       70-130       2.44       30         trans-1,3-Dichloropropene       51       ug/l       50.0       103       70-130       5.92       30	1,2-Dichloroethane	49			ug/l	50.0		98.7	70-130	1.17	30
cis-1,2-Dichloroethene       47       ug/l       50.0       93.6       70-130       3.46       30         1,1-Dichloroethene       40       ug/l       50.0       80.0       70-130       8.63       30         1,2-Dichloropropane       48       ug/l       50.0       95.1       70-130       0.0842       30         2,2-Dichloropropane       41       ug/l       50.0       82.0       70-130       0.146       30         cis-1,3-Dichloropropane       49       ug/l       50.0       97.3       70-130       2.44       30         trans-1,3-Dichloropropene       51       ug/l       50.0       103       70-130       5.92       30	trans-1,2-Dichloroethene	44			ug/l	50.0		88.7	70-130	2.71	30
1,1-Dichloroethene       40       ug/l       50.0       80.0       70-130       8.63       30         1,2-Dichloropropane       48       ug/l       50.0       95.1       70-130       0.0842       30         2,2-Dichloropropane       41       ug/l       50.0       82.0       70-130       0.146       30         cis-1,3-Dichloropropene       49       ug/l       50.0       97.3       70-130       2.44       30         trans-1,3-Dichloropropene       51       ug/l       50.0       103       70-130       5.92       30	cis-1,2-Dichloroethene	47			ug/l	50.0		93.6	70-130	3.46	30
1,2-Dichloropropane     48     ug/l     50.0     95.1     70-130     0.0842     30       2,2-Dichloropropane     41     ug/l     50.0     82.0     70-130     0.146     30       cis-1,3-Dichloropropene     49     ug/l     50.0     97.3     70-130     2.44     30       trans-1,3-Dichloropropene     51     ug/l     50.0     103     70-130     5.92     30	1,1-Dichloroethene	40			ug/l	50.0		80.0	70-130	8.63	30
2,2-Dicnioropropane     41     ug/l     50.0     82.0     70-130     0.146     30       cis-1,3-Dichloropropene     49     ug/l     50.0     97.3     70-130     2.44     30       trans-1,3-Dichloropropene     51     ug/l     50.0     103     70-130     5.92     30	1,2-Dichloropropane	48			ug/l	50.0		95.1	70-130	0.0842	30
cis-1,3-Dichloropropene     49     ug/l     50.0     97.3     70-130     2.44     30       trans-1,3-Dichloropropene     51     ug/l     50.0     103     70-130     5.92     30	2,2-Dichloropropane	41			ug/l	50.0		82.0	/0-130	0.146	30
uaris-1,3-Dicilioloproperie 51 ug/i 50.0 103 /0-130 5.92 30 Dago 27 of 28	cis-1,3-Dichloropropene	49			ug/i	50.0		97.3	/0-130	2.44	30
	u aus-1,3-Dichloropropene	51			ug/i	50.0		103	/0-130	Dane	<u></u> 27 of 29

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2L0092 - Purge-Trap (Co	ntinued)									
LCS Dup (B2L0092-BSD1)				F	Prepared: 11/30	)/22 Analyzed	1: 12/01/22			
1,1-Dichloropropene	44			ug/l	50.0		87.1	70-130	5.32	30
Diethyl ether	49			ug/l	50.0		97.8	70-130	2.74	30
1,4-Dioxane	304			ug/l	250		121	0-200	9.52	40
Ethylbenzene	49			ug/l	50.0		99.0	70-130	0.466	30
Hexachlorobutadiene	54			ug/l	50.0		107	70-130	0.881	30
2-Hexanone	43			ug/l	50.0		85.2	70-130	2.78	30
Isopropylbenzene	53			ug/l	50.0		107	70-130	2.12	30
p-Isopropyltoluene	53			ug/l	50.0		106	70-130	0.208	30
Methylene Chloride	48			ug/l	50.0		95.1	60-140	3.95	30
4-Methyl-2-pentanone	45			ug/l	50.0		89.4	70-130	1.27	30
Naphthalene	53			ug/l	50.0		106	70-130	2.53	30
n-Propylbenzene	53			ug/l	50.0		107	70-130	0.131	30
Styrene	54			ug/l	50.0		107	70-130	0.728	30
1,1,1,2-Tetrachloroethane	51			ug/l	50.0		103	70-130	0.136	30
Tetrachloroethene	51			ug/l	50.0		103	70-130	2.29	30
Tetrahydrofuran	50			ug/l	50.0		101	70-130	1.46	30
Toluene	49			ug/l	50.0		97.6	70-130	0.490	30
1,2,4-Trichlorobenzene	54			ug/l	50.0		107	70-130	1.22	30
1,2,3-Trichlorobenzene	53			ug/l	50.0		106	70-130	2.86	30
1,1,2-Trichloroethane	53			ug/l	50.0		106	70-130	0.342	30
1,1,1-Trichloroethane	52			ug/l	50.0		105	70-130	1.50	30
Trichloroethene	49			ug/l	50.0		97.6	70-130	1.04	30
1,2,3-Trichloropropane	54			ug/l	50.0		108	70-130	0.793	30
1,3,5-Trimethylbenzene	53			ug/l	50.0		106	70-130	0.282	30
1,2,4-Trimethylbenzene	52			ug/l	50.0		105	70-130	0.304	30
Vinyl Chloride	53			ug/l	50.0		105	70-130	0.687	30
o-Xylene	51			ug/l	50.0		103	70-130	3.00	30
m&p-Xylene	100			ug/l	100		99.5	70-130	0.171	30
1,1,2,2-Tetrachloroethane	50			ug/l	50.0		99.5	70-130	2.05	30
tert-Amyl methyl ether	33			ug/l	50.0		66.8	70-130	12.8	30
1,3-Dichloropropane	49			ug/l	50.0		97.8	70-130	4.93	30
Ethyl tert-butyl ether	36			ug/l	50.0		72.4	70-130	9.94	30
Diisopropyl ether	44			ug/l	50.0		88.6	70-130	3.84	30
Trichlorofluoromethane	57			ug/l	50.0		113	70-130	2.46	30
Dichlorodifluoromethane	59			ug/l	50.0		119	70-130	3.15	30
Surrogate: 4-Bromofluorobenzene			51.5	ug/l	50.0		103	70-130		
Surrogate: 1,2-Dichloroethane-d4			47.0	ug/l	50.0		94.0	70-130		
Surrogate: Toluene-d8			49.2	ug/l	50.0		98.5	70-130		

### Volatile Petroleum Hydrocarbons (MADEP-VPH)

Analvte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2K1369 - MADEP VPH					Duamanad	) Amelumodu 11	1/20/22			
LCS (B2K1369-BS1)	2.2		0.2	ma/ka	Prepared &	x Analyzed: 11	02.6	70 120		
Ethylhonzono	2.5		0.2	mg/kg	2.50		92.0	70-130		1
Methyl t-butyl ether (MTBE)	2.7		0.2	ma/ka	2.50		97.5	70-130		1
Nanhthalene	2.5		0.05	ma/ka	2.50		84.6	70-130		1
Toluene	2.1		0.5	ma/ka	2.50		95.5	70-130		1
m&n-Xylene	5.0		0.5	ma/ka	5.00		101	70-130		ľ
2-Methylpentane	2.4		250	ma/ka	2.50		94.4	70-130		
n-Nonane	2.7		250	ma/ka	2.50		87.9	70-130		
o-Xylene	2.2		0.5	ma/ka	2.50		100	70-130		ľ
Decane	2.3		250	ma/ka	2.50		88.0	70-130		
C5-C8 Aliphatic Hydrocarbons	ND		5.0	ma/ka	2.00		0010	70-130		
n-Butylcylohexane	2.3		250	mg/kg	2.50		91.0	70-130		
n-Pentane	2.3		250	mg/kg	2.50		91.9	70-130		
C9-C12 Aliphatic Hydrocarbons	ND		5.0	mg/kg				70-130		
1.2.4-Trimethylbenzene	2.7		0.5	mg/kg	2.50		109	70-130		
VPH LCS Aliphatic C5-C8	7.0		0.5	mg/kg	7.50		93.0	70-130		
C9-C10 Aromatic Hydrocarbons	ND		5.0	mg/kg	2.50			70-130		
VPH LCS Aliphatic C9-C12	4.5		0.5	mg/kg	5.00		89.5	70-130		
VPH LCS Aromatic C9-C10	2.7		0.5	mg/kg	2.50		109	70-130		
			27.0				72.0	70 1 20		
Surrogate: 2,5- Dibromotoluono-FID			37.0	ug/l	50.0		73.9	70-130		
			50.5	ugn	50.0		/3.1	70-150		
LCS Dup (B2K1369-BSD1)	2.2		0.2	malka	Prepared 8	& Analyzed: 11	1/29/22	70 1 20	0.020	25
Benzene	2.3		0.2	mg/kg	2.50		92.0	70-130	0.628	25
Ethyldenzene Mathadia hardi ath an (MTRE)	2.4		0.2	mg/kg	2.50		97.9	70-130	0.409	25
Methyl t-butyl ether (MTBE)	2.3		0.05	mg/kg	2.50		92.3	70-130	0.389	25
Naphthalene	2.2		0.5	mg/kg	2.50		86.9	70-130	2.68	25
I oluene	2.4		0.2	mg/kg	2.50		95.2	70-130	0.315	25
m&p-Xylene	5.1		0.5	mg/kg	5.00		101	70-130	0.554	25
2-Methylpentane	2.4		250	mg/kg	2.50		94.0 99. F	70-130	0.425	25
	2.2		250	mg/kg	2.50		00.0	70-130	0.771	25
0-xylene	2.5		0.5	mg/kg	2.50		101	70-130	0.714	25
CE C9 Aliphatic Hydrocarbons	2.4		250	mg/kg	2.50		94.2	70-130	0.74	25
C5-C8 Aliphatic Hydrocarbons	טא כר		5.0	mg/kg	2 50		90.7	70-130	1 20	25
CO C12 Aliphatic Hydrosarbons	2.2		250	mg/kg	2.50		09.7	70-130	1.59	25
C9-C12 Aliphatic Hydrocarbons	שאו בר		250	mg/kg	2 50		01.0	70-130	0.0971	25
1 2 4 Trimethylbonzono	2.5		250	mg/kg	2.50		111	70-130	1 00	25
Co-C10 Aromatic Hydrocarbons	2.0		5.0	mg/kg	2.50		111	70-130	1.99	25
VPH LCS Aliphatic C5-C9	7.0		5.0	mg/kg	2.50		02.7	70-130	0 366	25
VPH_LCS_Aliphatic_C3-C6	7.0		0.5	mg/kg	5.00		92.7	70-130	2.50	25
VPH LCS Aromatic C9-C12	7.0 2.8		0.5	ma/ka	2 50		111	70-130	1 99	25
	2.0				2.50					
Surrogate: 2,5- Dibromotoluene-PID			35.8	ug/l	50.0		71.6	70-130		
Surrogate: 2,5- Dibromotoluene-FID			37.2	ug/l	50.0		74.3	70-130		

### Volatile Petroleum Hydrocarbons (MADEP-VPH) (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2K1369 - MADEP VPH (C	Continued)									
Matrix Spike (B2K1369-MS1)	S	ource: 2K1	.8040-02		Prepared 8	& Analyzed: 11	/29/22			
Benzene	2.2		0.3	mg/kg dry	2.76	ND	79.8	70-130		
Ethylbenzene	2.4		0.3	mg/kg dry	2.76	ND	86.4	70-130		
Methyl t-butyl ether (MTBE)	2.3		0.06	mg/kg dry	2.76	ND	84.3	70-130		
Naphthalene	2.6		0.6	mg/kg dry	2.76	ND	92.6	70-130		
Toluene	2.2		0.3	mg/kg dry	2.76	ND	80.5	70-130		
m&p-Xylene	4.6		0.6	mg/kg dry	5.52	ND	83.7	70-130		
2-Methylpentane	2.6		302	mg/kg dry	2.76	ND	94.0	70-130		
n-Nonane	2.1		302	mg/kg dry	2.76	ND	77.5	70-130		
o-Xylene	2.4		0.6	mg/kg dry	2.76	ND	88.2	70-130		
Decane	2.3		302	mg/kg dry	2.76	ND	82.3	70-130		
C5-C8 Aliphatic Hydrocarbons	ND		6.0	mg/kg dry		ND		70-130		
n-Butylcylohexane	2.2		302	mg/kg dry	2.76	ND	79.1	70-130		
C9-C12 Aliphatic Hydrocarbons	ND		6.0	mg/kg dry		ND		70-130		
n-Pentane	2.3		302	mg/kg dry	2.76	ND	82.6	70-130		
1,2,4-Trimethylbenzene	3.0		0.6	mg/kg dry	2.76	ND	107	70-130		
C9-C10 Aromatic Hydrocarbons	ND		6.0	mg/kg dry	2.76	ND		70-130		
VPH_LCS_Aliphatic_C5-C8	6.8		0.6	mg/kg dry	8.28	ND	82.7	70-130		
VPH_LCS_Aliphatic_C9-C12	4.2		0.6	mg/kg dry	5.52	ND	76.5	70-130		
VPH_LCS_Aromatic_C9-C10	2.8		0.6	mg/kg dry	2.76	ND	100	70-130		
Surrogate: 2,5- Dibromotoluene-PID			37.4	ug/l	50.0		74.7	70-130		
Surrogate: 2,5- Dibromotoluene-FID			38.9	ug/l	50.0		77.8	70-130		
Matrix Spike Dup (B2K1369-MSD1)	S	ource: 2K1	.8040-02		Prepared 8	& Analyzed: 11	/29/22			
Benzene	2.2		0.3	mg/kg dry	2.76	ND	79.8	70-130	0.00	25
Ethylbenzene	2.2		0.3	mg/kg dry	2.76	ND	81.0	70-130	6.46	25
Methyl t-butyl ether (MTBE)	2.2		0.06	mg/kg dry	2.76	ND	81.5	70-130	3.43	25
Naphthalene	2.6		0.6	mg/kg dry	2.76	ND	92.6	70-130	0.00	25
Toluene	2.2		0.3	mg/kg dry	2.76	ND	80.5	70-130	0.00	25
m&p-Xylene	4.6		0.6	mg/kg dry	5.52	ND	83.7	70-130	0.00	25
2-Methylpentane	2.3		302	mg/kg dry	2.76	ND	84.4	70-130	10.8	25
n-Nonane	2.1		302	mg/kg dry	2.76	ND	77.5	70-130	0.00	25
o-Xylene	2.3		0.6	mg/kg ary	2.76	ND	83.2	70-130	5.87	25
Decane	2.0		302	mg/kg dry	2.76	ND	73.9	70-130	10.7	25
C5-C8 Aliphatic Hydrocarbons	ND		6.0	mg/kg ary		ND		70-130		25
n-Butylcylohexane	2.2		302	mg/kg dry	2.76	ND	79.1	70-130	0.00	25
n-Pentane	2.3		302	mg/kg dry	2.76	ND	82.6	70-130	0.00	25
C9-C12 Aliphatic Hydrocarbons	ND		6.0	mg/kg ary	2.76	ND	100	70-130	6.00	25
1,2,4- I rimetnyibenzene	2.8		0.6	mg/kg dry	2.76	ND	100	70-130	6.92	25
VPH_LCS_Aliphatic_C5-C8	6.8		0.6	mg/kg dry	8.28	ND	82.7	70-130	0.00	25
			0.0	mg/kg dn/	2.70		76 5	70-130	0.00	25
VPH LCS Aromatic C9-C10	4.2 2.8		0.0	ma/ka drv	5.52 2.76		100	70-130	0.00	25 25
				······································						
Surrogate: 2,5- Dibromotoluene-PID			3/.4	ug/i	50.0		/4./ 77 0	70-130 70-120		
			30.9	ugn	50.0		//.0	70-130		

## **Quality Control**

(Continued)

### Polychlorinated Biphenyls (PCBs)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2K1075 - EPA 3546										
Blank (B2K1075-BLK1)				Pi	repared: 11/2	1/22 Analyze	d: 11/30/22			
Aroclor-1016	ND		66	ug/kg						
Aroclor-1221	ND		66	ug/kg						
Aroclor-1232	ND		66	ug/kg						
Aroclor-1242	ND		66	ug/kg						
Aroclor-1248	ND		66	ug/kg						
Aroclor-1254	ND		66	ug/kg						
Aroclor-1260	ND		66	ug/kg						
Aroclor-1262	ND		66	ug/kg						
Aroclor-1268	ND		66	ug/kg						
PCBs (Total)	ND		66	ug/kg						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX )			12.3	ug/kg	13.3		92.1	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			13.6	ug/kg	13.3		102	43.3-130		
LCS (B2K1075-BS1)				Pi	repared: 11/2	1/22 Analyze	d: 11/30/22			
Aroclor-1016	160		66	ug/kg	167		95.8	58.2-125		
Aroclor-1242	ND		66	ug/kg				58.2-125		
Aroclor-1260	156		66	ug/kg	167		93.8	65.5-130		
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX )			11.5	ug/kg	13.3		86.6	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			18.7	ug/kg	13.3		140	43.3-130		
LCS Dup (B2K1075-BSD1)				Pi	repared: 11/2	1/22 Analyze	d: 11/30/22			
Aroclor-1016	ND		66	ug/kg	167			58.2-125		20
Aroclor-1242	ND		66	ug/kg				58.2-125		20
Aroclor-1260	ND		66	ug/kg	167			65.5-130		20
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX )			12.1	ug/kg	13.3		90.8	36.2-130		
Surrogate: Decachlorobiphenyl (DCBP)			12.8	ug/kg	13.3		95.9	43.3-130		

			Quality (Conti	Control						
Extractable Petroleum Hydrocarb	ons (MADE	EP-EPH)	)							
Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2K1298 - EPA 3546										
Blank (B2K1298-BLK1)				Pr	epared: 11/2	27/22 Analyze	ed: 11/29/22			
Unadjusted C11-C22 Aromatic	ND		6.67	mg/kg		. ,				
Hydrocarbons										
Naphthalene	ND		0.33	mg/kg						
2-Methylnaphthalene	ND		0.33	mg/kg						
Phenanthrene	ND		0.33	mg/kg						
Acenaphthene	ND		0.33	mg/kg						
Acenaphthylene	ND		0.33	mg/kg						
Fluorene	ND		0.33	mg/kg						
Anthracene	ND		0.33	mg/kg						
Fluoranthene	ND		0.33	mg/kg						
Pyrene	ND		0.33	mg/kg						
Benzo(a)anthracene	ND		0.33	mg/kg						
Chrysene	ND		0.33	mg/kg						

mg/kg

8.33

59.1

40-140

0.33

0.33

0.33

0.33

0.33

0.33

13.3

13.3

6.67

4.92

ND

ND

ND

ND

ND

ND

ND

ND

ND

Benzo(b)fluoranthene

Benzo(k)fluoranthene

Indeno(1,2,3-cd)pyrene

Dibenz(a,h)anthracene

C9-C18 Aliphatic Hydrocarbons

C19-C36 Aliphatic Hydrocarbons

C11-C22 Aromatic Hydrocarbons

Surrogate: Chlorooctadecane

Benzo(g,h,i)perylene

Benzo(a)pyrene

Surrogate: o-Terphenyl		5.58	mg/kg	8.33	67.0 40-140	
Surrogate: 2-Fluorobiphenyl		2.86	mg/kg	3.33	85.8 40-140	
Surrogate: 2-Bromonaphthalene		2.81	mg/kg	3.33	84.2 40-140	
LCS (B2K1298-BS1)			Pre	epared: 11/27	/22 Analyzed: 11/29/22	
Naphthalene	1.52	0.33	mg/kg	2.67	57.0 40-140	
2-Methylnaphthalene	1.50	0.33	mg/kg	2.67	56.1 40-140	
Phenanthrene	1.53	0.33	mg/kg	2.67	57.3 40-140	
Acenaphthene	1.52	0.33	mg/kg	2.67	56.9 40-140	
Acenaphthylene	1.49	0.33	mg/kg	2.67	55.8 40-140	
Fluorene	1.45	0.33	mg/kg	2.67	54.3 40-140	
Anthracene	1.57	0.33	mg/kg	2.67	58.9 40-140	
Fluoranthene	1.64	0.33	mg/kg	2.67	61.6 40-140	
Pyrene	1.66	0.33	mg/kg	2.67	62.1 40-140	
Benzo(a)anthracene	1.66	0.33	mg/kg	2.67	62.2 40-140	
Chrysene	1.70	0.33	mg/kg	2.67	63.7 40-140	
Benzo(b)fluoranthene	1.66	0.33	mg/kg	2.67	62.1 40-140	
Benzo(k)fluoranthene	1.72	0.33	mg/kg	2.67	64.6 40-140	
Benzo(a)pyrene	1.62	0.33	mg/kg	2.67	60.7 40-140	
Indeno(1,2,3-cd)pyrene	1.55	0.33	mg/kg	2.67	58.3 40-140	
Dibenz(a,h)anthracene	1.57	0.33	mg/kg	2.67	59.0 40-140	
Benzo(g,h,i)perylene	1.70	0.33	mg/kg	2.67	63.9 40-140	
EPH_LCS_Aliphatic_C19-C36	16.0	0.00	mg/kg	21.3	74.9 40-140	
EPH_LCS_Aliphatic_C9-C18	8.69	0.00	mg/kg	16.0	54.3 40-140	
EPH_LCS_Aromatic_C11-C22	27.1	0.00	mg/kg	45.3	59.7 40-140	
Nonane	1.03	0.33	mg/kg	2.67	38.7 30-140	
Decane	1.36	0.33	mg/kg	2.67	50.8 40-140	
Dodecane	1.56	0.33	mg/kg	2.67	58.5 40-140	
Tetradecane	1.51	0.33	mg/kg	2.67	56.6 40-140	
Hexadecane	1.54	0.33	mg/kg	2.67	57.6 40-140	
Octadecane	1.70	0.33	mg/kg	2.67	63.7 40-140	
Nonadecane	1.76	0.33	mg/kg	2.67	65.8 40-140	
Eicosane	1.82	0.33	mg/kg	2.67	68.2 40-140	
Docosane	1.89	0.33	mg/kg	2.67	70.8 40-140	
Tetracosane	1.92	0.33	mg/kg	2.67	71.8 40-140	Page 32 of 38

### Extractable Petroleum Hydrocarbons (MADEP-EPH) (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Ratale ROVIDOR ERA 2546 (Carti	nund)									
Batth: B2K1298 - EPA 3540 (Contil	nuea)			De	operade 11/7	17/22 Analyza	4. 11/20/22			
	1.02		0.22	Pi ma/ka	2 67	27/22 Analyze	u: 11/29/22	40 140		
Octacosano	1.95		0.33	mg/kg	2.07		72.5	40-140		
Triacontano	2.14		0.33	mg/kg	2.07		20 2	40-140		
Havatriacontano	2.14		0.33	mg/kg	2.07		00.5 0E 1	40-140		
	2.54		0.55		2.07		95.1			
Surrogate: Chlorooctadecane			5.43	mg/kg	8.33		65.2	40-140		
Surrogate: o-Terphenyl			5.31	mg/kg	8.33		63.7	40-140		
Surrogate: 2-Fluorobiphenyl			2.48	mg/kg	3.33		74.4	40-140		
Surrogate: 2-Bromonaphthalene			2.41	mg/kg	3.33		72.2	40-140		
LCS Dup (B2K1298-BSD1)				Pr	epared: 11/2	7/22 Analyze	d: 11/29/22			
Naphthalene	1.34		0.33	mg/kg	2.67		50.2	40-140	12.8	25
2-Methylnaphthalene	1.32		0.33	mg/kg	2.67		49.6	40-140	12.2	25
Phenanthrene	1.48		0.33	mg/kg	2.67		55.5	40-140	3.19	25
Acenaphthene	1.38		0.33	mg/kg	2.67		51.7	40-140	9.67	25
Acenaphthylene	1.34		0.33	mg/kg	2.67		50.2	40-140	10.6	25
Fluorene	1.35		0.33	mg/kg	2.67		50.7	40-140	6.95	25
Anthracene	1.54		0.33	mg/kg	2.67		57.7	40-140	2.14	25
Fluoranthene	1.60		0.33	mg/kg	2.67		59.8	40-140	2.88	25
Pyrene	1.61		0.33	mg/kg	2.67		60.4	40-140	2.69	25
Benzo(a)anthracene	1.63		0.33	mg/kg	2.67		60.9	40-140	2.03	25
Chrysene	1.72		0.33	mg/kg	2.67		64.3	40-140	0.976	25
Benzo(b)fluoranthene	1.64		0.33	mg/kg	2.67		61.3	40-140	1.30	25
Benzo(k)fluoranthene	1.69		0.33	mg/kg	2.67		63.6	40-140	1.60	25
Benzo(a)pyrene	1.62		0.33	mg/kg	2.67		60.6	40-140	0.0824	25
Indeno(1,2,3-cd)pyrene	1.54		0.33	mg/kg	2.67		57.6	40-140	1.08	25
Dibenz(a,h)anthracene	1.56		0.33	mg/kg	2.67		58.4	40-140	1.02	25
Benzo(g,h,i)perylene	1.69		0.33	mg/kg	2.67		63.2	40-140	1.14	25
EPH_LCS_Aliphatic_C19-C36	15.6		0.00	mg/kg	21.3		73.1	40-140	2.34	25
EPH_LCS_Aliphatic_C9-C18	7.74		0.00	mg/kg	16.0		48.4	40-140	11.5	25
EPH_LCS_Aromatic_C11-C22	26.0		0.00	mg/kg	45.3		57.4	40-140	3.90	25
Nonane	0.81		0.33	mg/kg	2.67		30.2	30-140	24.5	25
Decane	1.13		0.33	mg/kg	2.67		42.4	40-140	18.0	25
Dodecane	1.36		0.33	mg/kg	2.67		51.2	40-140	13.3	25
Tetradecane	1.38		0.33	mg/kg	2.67		51.6	40-140	9.24	25
Hexadecane	1.44		0.33	mg/kg	2.67		53.9	40-140	6.68	25
Octadecane	1.63		0.33	mg/kg	2.67		61.1	40-140	4.17	25
Nonadecane	1.69		0.33	mg/kg	2.67		63.6	40-140	3.52	25
Eicosane	1.77		0.33	mg/kg	2.67		66.5	40-140	2.63	25
Docosane	1.85		0.33	mg/kg	2.67		69.4	40-140	1.96	25
Tetracosane	1.87		0.33	mg/kg	2.67		70.3	40-140	2.18	25
Hexacosane	1.90		0.33	mg/kg	2.67		71.2	40-140	1.70	25
Octacosane	1.96		0.33	mg/kg	2.67		73.4	40-140	1.49	25
Triacontane	2.11		0.33	mg/kg	2.67		79.2	40-140	1.41	25
Hexatriacontane	2.44		0.33	mg/kg	2.67		91.6	40-140	3.69	25
Surrogate: Chlorooctadecane			5.19	mg/kg	8.33		62.3	40-140		
Surrogate: o-Terphenyl			5.06	mg/kg	8.33		60.7	40-140		
Surrogate: 2-Fluorobiphenyl			2.41	mg/kg	3.33		72.2	40-140		
Surrogate: 2-Bromonaphthalene			2.34	mg/kg	3.33		70.2	40-140		

### Extractable Petroleum Hydrocarbons (MADEP-EPH) (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B2K1298 - EPA 3546 (Contin	ued)									
Matrix Spike (B2K1298-MS1)	-	Source: 2K1	8040-02	Pre	pared: 11/2	7/22 Analyzed	d: 11/30/22			
Naphthalene	1.61		0.36	mg/kg dry	2.92	ND	55.0	40-140		
2-Methylnaphthalene	1.50		0.36	mg/kg dry	2.92	ND	51.2	40-140		
Phenanthrene	1.57		0.36	mg/kg dry	2.92	ND	53.8	40-140		
Acenaphthene	1.52		0.36	mg/kg dry	2.92	ND	52.0	40-140		
Acenaphthylene	1.72		0.36	mg/kg dry	2.92	ND	58.7	40-140		
Fluorene	1.54		0.36	mg/kg dry	2.92	ND	52.8	40-140		
Anthracene	1.49		0.36	mg/kg dry	2.92	ND	51.0	40-140		
Fluoranthene	1.72		0.36	mg/kg dry	2.92	ND	58.7	40-140		
Pyrene	1.61		0.36	mg/kg dry	2.92	ND	55.1	40-140		
Benzo(a)anthracene	1.83		0.36	mg/kg dry	2.92	ND	62.6	40-140		
Chrysene	1.91		0.36	mg/kg dry	2.92	ND	65.2	40-140		
Benzo(b)fluoranthene	1.69		0.36	mg/kg dry	2.92	ND	57.6	40-140		
Benzo(k)fluoranthene	1.81		0.36	mg/kg dry	2.92	ND	62.0	40-140		
Benzo(a)pyrene	1.66		0.36	mg/kg dry	2.92	ND	56.8	40-140		
Indeno(1,2,3-cd)pyrene	1.46		0.36	mg/kg dry	2.92	ND	50.1	40-140		
Dibenz(a,h)anthracene	1.46		0.36	mg/kg dry	2.92	ND	49.8	40-140		
Benzo(g,h,i)perylene	1.94		0.36	mg/kg dry	2.92	ND	66.4	40-140		
EPH_LCS_Aliphatic_C19-C36	12.2		0.00	mg/kg dry	23.4	ND	52.2	40-140		
EPH_LCS_Aliphatic_C9-C18	7.14		0.00	mg/kg dry	17.5	ND	40.7	40-140		
EPH_LCS_Aromatic_C11-C22	28.0		0.00	mg/kg dry	49.7	ND	56.4	40-140		
Nonane	0.95		0.36	mg/kg dry	2.92	ND	32.6	30-140		
Decane	1.20		0.36	mg/kg dry	2.92	ND	41.1	40-140		
Dodecane	1.28		0.36	mg/kg dry	2.92	ND	43.9	40-140		
Tetradecane	1.25		0.36	mg/kg dry	2.92	ND	42.7	40-140		
Hexadecane	1.19		0.36	mg/kg dry	2.92	ND	40.7	40-140		
Octadecane	1.27		0.36	mg/kg dry	2.92	ND	43.3	40-140		
Nonadecane	1.33		0.36	mg/kg dry	2.92	ND	45.5	40-140		
Eicosane	1.42		0.36	mg/kg dry	2.92	ND	48.5	40-140		
Docosane	1.49		0.36	mg/kg dry	2.92	ND	50.9	40-140		
Tetracosane	1.50		0.36	mg/kg dry	2.92	ND	51.4	40-140		
Hexacosane	1.52		0.36	mg/kg dry	2.92	ND	51.9	40-140		
Octacosane	1.56		0.36	mg/kg dry	2.92	ND	53.2	40-140		
Triacontane	1.66		0.36	mg/kg dry	2.92	ND	56.7	40-140		
Hexatriacontane	1.73		0.36	mg/kg dry	2.92	ND	59.2	40-140		
Surrogate: Chlorooctadecane			ND	mg/kg dry	9.14			40-140		
Surrogate: o-Terphenyl			3.74	mg/kg dry	9.14		40.9	40-140		
Surrogate: 2-Fluorobiphenyl			2.52	mg/kg dry	3.65		69.0	40-140		
Surrogate: 2-Bromonaphthalene			2.46	mg/kg dry	3.65		67.3	40-140		

### Extractable Petroleum Hydrocarbons (MADEP-EPH) (Continued)

Analyta	Pocult	Qual	Reporting	Unite	Spike	Source	%PEC	%REC	PPD	RPD Limit
Analyte	Result	Quui	Linte	Units	Level	Result	JUNEC	LITIICS	Rib	Linit
Batch: B2K1298 - EPA 3546 (Contin	ued)									
Matrix Spike Dup (B2K1298-MSD1)	9	Source: 2K1	8040-02	Pre	pared: 11/2	7/22 Analyzed	d: 11/30/22			
Naphthalene	1.64		0.36	mg/kg dry	2.92	ND	56.1	40-140	2.03	25
2-Methylnaphthalene	1.65		0.36	mg/kg dry	2.92	ND	56.5	40-140	9.74	25
Phenanthrene	1.69		0.36	mg/kg dry	2.92	ND	57.7	40-140	7.09	25
Acenaphthene	1.70		0.36	mg/kg dry	2.92	ND	58.1	40-140	11.1	25
Acenaphthylene	1.66		0.36	mg/kg dry	2.92	ND	56.8	40-140	3.25	25
Fluorene	1.60		0.36	mg/kg dry	2.92	ND	54.6	40-140	3.40	25
Anthracene	1.80		0.36	mg/kg dry	2.92	ND	61.7	40-140	19.0	25
Fluoranthene	1.90		0.36	mg/kg dry	2.92	ND	65.1	40-140	10.2	25
Pyrene	1.93		0.36	mg/kg dry	2.92	ND	66.1	40-140	18.2	25
Benzo(a)anthracene	1.94		0.36	mg/kg dry	2.92	ND	66.5	40-140	6.16	25
Chrysene	2.05		0.36	mg/kg dry	2.92	ND	70.0	40-140	7.17	25
Benzo(b)fluoranthene	1.91		0.36	mg/kg dry	2.92	ND	65.5	40-140	12.7	25
Benzo(k)fluoranthene	2.00		0.36	mg/kg dry	2.92	ND	68.5	40-140	9.92	25
Benzo(a)pyrene	1.87		0.36	mg/kg dry	2.92	ND	64.1	40-140	12.1	25
Indeno(1,2,3-cd)pyrene	1.75		0.36	mg/kg dry	2.92	ND	59.7	40-140	17.6	25
Dibenz(a,h)anthracene	1.82		0.36	mg/kg dry	2.92	ND	62.3	40-140	22.3	25
Benzo(g,h,i)perylene	1.96		0.36	mg/kg dry	2.92	ND	67.0	40-140	0.900	25
EPH_LCS_Aliphatic_C19-C36	15.4		0.00	mg/kg dry	23.4	ND	65.7	40-140	22.9	25
EPH_LCS_Aliphatic_C9-C18	8.38		0.00	mg/kg dry	17.5	ND	47.8	40-140	15.9	25
EPH_LCS_Aromatic_C11-C22	30.9		0.00	mg/kg dry	49.7	ND	62.1	40-140	9.70	25
Nonane	1.11		0.36	mg/kg dry	2.92	ND	37.9	30-140	15.0	25
Decane	1.36		0.36	mg/kg dry	2.92	ND	46.4	40-140	12.1	25
Dodecane	1.49		0.36	mg/kg dry	2.92	ND	51.0	40-140	15.0	25
Tetradecane	1.45		0.36	mg/kg dry	2.92	ND	49.7	40-140	15.2	25
Hexadecane	1.42		0.36	mg/kg dry	2.92	ND	48.6	40-140	17.6	25
Octadecane	1.55		0.36	mg/kg dry	2.92	ND	53.0	40-140	20.2	25
Nonadecane	1.66		0.36	mg/kg dry	2.92	ND	56.8	40-140	22.1	25
Eicosane	1.77		0.36	mg/kg dry	2.92	ND	60.5	40-140	22.1	25
Docosane	1.87		0.36	mg/kg dry	2.92	ND	64.1	40-140	23.0	25
Tetracosane	1.90		0.36	mg/kg dry	2.92	ND	65.0	40-140	23.5	25
Hexacosane	1.92		0.36	mg/kg dry	2.92	ND	65.8	40-140	23.6	25
Octacosane	1.98		0.36	mg/kg dry	2.92	ND	67.6	40-140	23.7	25
Triacontane	2.09		0.36	mg/kg dry	2.92	ND	71.4	40-140	22.8	25
Hexatriacontane	2.16		0.36	mg/kg dry	2.92	ND	74.0	40-140	22.3	25
Surrogate: Chlorooctadecane			5.12	mg/kg dry	9.14		56.0	40-140		
Surrogate: o-Terphenyl			5.47	mg/kg dry	9.14		59.8	40-140		
Surrogate: 2-Fluorobiphenyl			2.86	mg/kg dry	3.65		78.2	40-140		
Surrogate: 2-Bromonaphthalene			2.82	mg/kg dry	3.65		77.1	40-140		

Item	Definition
Wet	Sample results reported on a wet weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.

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MassDEP Analytical Protocol Certification Form												
Laboratory Name: New England Testing Laboratory, Inc. Project #: 20091032.A22												
Proje	ect Locatio	on: Shutesbury, M	1A		RTN:							
This Form provides certifications for the following data set: list Laboratory Sample ID Number(s): 2K21016												
Matrio	Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:											
CAM	CAM Protocol (check all that apply below):											
8260 VOC CAM II A IM7470/7471 Hg CAM III B IMMassDEP VPH (GC/PID/FID) CAM IV A IM8082 PCB CAM V A IM9014 Total CAM V A IM6860 Perchlorate CAM VII B IM8082 PCB CAM VI A IM9014 Total CAM V A IM6860 Perchlorate CAM VII B IM6860 Perchlorate CAM VII B IM												
8270 CAM	8270 SVOC     7010 Metals     MassDEP VPH (GC/MS)     8081 Pesticides     7196 Hex Cr     MassDEP APH       CAM II B □     CAM III C □     CAM IV C □     CAM V B □     CAM VI B □     CAM IX A □											
6010 CAM	6010 Metals CAM III A ⊠6020 Metals CAM III D □MassDEP EPH CAM IV B ⊠8151 Herbicides CAM V C □8330 Explosives CAM VIII A □TO-15 VOC CAM IX B □											
A	Affirmativ	ve Responses to	Questions A throug	gh F are required f	for "Presumptive Ce	rtainty" status						
Α	Were all Custody, prepared	samples received properly preserv I/analyzed within me	in a condition consis ved (including temp athod holding times?	stent with those des erature) in the fie	cribed on the Chain-of Id or laboratory, and	f- d ⊠Yes □No						
В	B Were the analytical method(s) and all associated QC requirements specified in the selected ⊠ Yes □ No											
с	C Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances? ⊠ Yes □ No											
D	Does the "Quality Analytica	e laboratory report Assurance and C al Data"?	comply with all the re Quality Control Guide	porting requirements lines for the Acquis	specified in CAM VII A ition and Reporting c	, of ⊠Yes □No						
E	VPH, EP a. VPH, modificat b. APH a	H, APH, and TO-15 EPH, and APH I tion(s)? (Refer to th and TO-15 Methods	only Methods only: Was e individual method(s) only: Was the complet	each method condu for a list of significant te analyte list reported	icted without significan modifications). I for each method?	t ⊠ Yes □ No □ Yes □ No						
F	Were all and eval	applicable CAM pruted in a laborator	otocol QC and perform y narrative (including a	mance standard non- Ill "No" responses to (	-conformances identified Questions A through E)?	d ⊠ Yes □ No						
Res	sponses	to Questions G,	H and I below are re	equired for "Presu	mptive Certainty" st	tatus						
G	Were the protocol(	e reporting limits at o s)?	or below all CAM repor	ting limits specified in	the selected CAM	⊠ Yes □ No¹						
<u>Da</u> re	ata User No presentati	<u>ote</u> : Data that achiev veness requirements	ve "Presumptive Certain s described in 310 CMR	nty" status may not ne 40. 1056 (2)(k) and WS	cessarily meet the data ( SC-07-350.	usability and						
Н	Were all	QC performance st	andards specified in th	e CAM protocol(s) ac	chieved?	⊠ Yes □ No <sup>1</sup>						
Ι	Were res	sults reported for the	e complete analyte list	specified in the select	ted CAM protocol(s)?	⊠ Yes □ No <sup>1</sup>						
<sup>1</sup> All r	negative r	esponses must be	addressed in an attac	ched laboratory narra	ative.							
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.												
Sign	Signature: BACHAR Position: Laboratory Director											
Print	ted Name	E Richard Warila		Date:	12/2/2022							