

1430 Broadway 10th Floor New York, NY 10018

212.221.7822 PHONE 212.221.7840 FAX

www.TRCsolutions.com

October 17, 2017

Mr. David Newell Consultant Manager New York State Department of Transportation 1220 Washington Avenue Albany, NY 12232

Attention: Ms. Gretchen Fitzgerald

Re: PIN 8807.31.101

Harrison Sub-Residency Petroleum Spill Area (Spill #94-07349)

5th Quarter Monitoring Report West Harrison, New York

Dear Ms. Fitzgerald:

TRC Engineers, Inc. (TRC) has prepared the following letter report to present the findings of the groundwater monitoring conducted at the Harrison Sub-Residency Petroleum Spill Area (hereafter referred to as the "Site"). The Harrison Sub-Residency is located at the intersection of New York Route 120 and King Street. The Site is a historic seasonal highway support and salt storage facility which is currently occupied by the Town of Harrison. The New York State Department of Transportation (NYSDOT) document titled "Operation and Maintenance Plan for the Harrison Sub-residency Landfill and Petroleum Spill Area" (hereafter referred to as the "O&M Plan") and dated February 2010 outlines the fifth quarter monitoring program established by the New York State Department of Environmental Conservation (NYSDEC) relating to Spill #94-07349 at the Site. The spill was closed by NYSDEC on October 10, 2002 following the discontinuation of operations of an on-site air sparge/soil vapor extraction system. Only two (2) monitoring wells installed in response to the spill, MW-11 and PC-1, have not been decommissioned by NYSDOT. TRC performed the Site groundwater monitoring of these two wells for the NYSDOT in accordance with TRC's May 2017 approved scope of service.

Groundwater Sampling Activities

On July 10, 2017, TRC mobilized to the Site and conducted reconnaissance of the groundwater monitoring wells. On July 11 and 12, 2017, TRC sampled groundwater to monitor the migration and natural attenuation of the previously documented contaminant plume associated with the historic spill. Figure 1 provides a Site location map and Figure 2 provides a site map of the previously documented spill area. No signs of well damage or tampering were noted during a visual inspection of the wells prior to commencing sampling. Depth to groundwater and total

New York State Department of Transportation PIN 8807.31.101 Harrison Sub-Residency Petroleum Spill Area (Spill #94-07349) West Harrison, New York Page 2 of 5

depth measurements of the monitoring wells were measured with a water level sensing device relative to the top of the inner well casing. No non-aqueous phase liquid was visually observed in the two wells during sampling or detected in the wells with an oil-water interface probe. Additionally, an organic vapor headspace reading was measured at each monitoring well using a photoionization detector (PID). There were no headspace PID detections above background levels at either of the two monitoring wells.

Groundwater in each well was purged utilizing a peristaltic pump and dedicated new tubing and containerized for off-site disposal. During purging, field readings for pH, conductivity, temperature, dissolved oxygen, and turbidity were monitored using a flow-through cell and multi parameter meter and documented. The groundwater sampling logs completed by TRC are provided in Appendix A.

Groundwater samples were immediately collected from each well following stabilization of groundwater conditions from the well purging. Groundwater samples, including one blind duplicate and one equipment blank, were analyzed for the five volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, xylenes (collectively referred to as BTEX), and methyl tert-butyl ether (MTBE) and specified natural attenuation parameters including dissolved iron, dissolved manganese, nitrate, sulfate, total sulfide, total alkalinity, and bicarbonate alkalinity. The groundwater samples for dissolved iron and dissolved manganese were field filtered with dedicated disposable filters prior to preservation.

Groundwater samples were containerized in laboratory supplied jars, labeled, and placed in a chilled cooler for shipment to Hampton-Clarke/Veritech, Inc, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory. Trip blank samples provided by the laboratory with the sample containers also accompanied each sample shipment to the laboratory and were analyzed for Target Compound List VOCs.

Investigation-derived wastes consisting of decontamination water and well purge water were drummed and staged on the Site, pending receipt of the groundwater sample test data and acceptance of the waste profile by the selected wastewater treatment facility Veolia Environment Services (Schenectady, New York). The drummed water was transported off-Site by MC Environmental Services of Queensbury, New York on August 21, 2017 for treatment at the Veolia facility. The investigation-derived waste transport and disposal documentation is provided in Appendix B.

Groundwater Sample Results

Results of the groundwater sample analyses were compared to the NYSDEC Class GA Groundwater Standards or Guidance Values (NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1, June 1998) and are summarized in Table 1. A copy of the laboratory sample data report is provided in Appendix C. Appendix C includes laboratory



analytical data from the Harrison Sub-Residency landfill site as both sites were sampled concurrently. A separate letter report is provided for the landfill site monitoring.

Well MW-11 is located downgradient of the spill area and within the previously reported leading edge of the previously identified plume while well PC-1 is located down/sidegradient of the plume. There were no VOCs detected above the laboratory reporting limit. Dissolved iron was detected in both monitoring wells above the corresponding Class GA groundwater standard while dissolved manganese was detected above the corresponding Class GA groundwater standard at PC-1. The table below provides a summary of the exceedances.

Detected Groundwater Concentrations Greater than Class GA Groundwater Standards

Analyte	NYSDEC Class	Mo	Monitoring Well Identification					
	GA Groundwater	PC-1	PC-FD-201707 ¹	MW-11				
	Standards (µg/L)	(µg/L)	$(\mu g/L)$	(µg/L)				
Iron	$300/500^2$	1,400	1,400	370				
Manganese	$300/500^2$	1,500	1,500	680				

Notes:

Sulfate is the only natural attenuation parameter analyzed with a Class GA Standard (250,000 $\mu g/L$). Sulfate was detected in each of the wells below the Class GA Standard. Bicarbonate alkalinity and total alkalinity concentrations ranged from 280 $\mu g/L$ at MW-11 to 400 $\mu g/L$ in the blind duplicate sample collected at PC-1. Nitrate was not detected above the laboratory reporting limit in either of the samples collected.

Quality Assurance/Quality Control Sample Results

A duplicate sample (i.e., PC-FD-201707) was collected from groundwater monitoring well PC-1 for quality assurance/quality control (QA/QC) purposes and submitted to the laboratory as a blind duplicate sample (i.e., well number not identified) for the same analyses. The relative percent difference (RPD) between the duplicate sample results is calculated using the following formula:

$$\% RPD = \frac{X_1 - X_2}{(X_1 + X_2)/2} * 100\%$$

where, X_1 is the original value (PC-1), and

X₂ is the duplicate value (PC-FD-201707)

Alkalinity and sulfate were the only analytes with concentrations detected which differed between the two samples. The RPD for alkalinity and sulfate were 3% and 9%, respectively. The United



¹ – FD-01-201707 is a blind duplicate of PC-1-201707

 $^{^2}$ – Standard of 300 ug/L applies to each substance and 500 ug/L applies to the sum of these substances μ g/L – micrograms per liter

New York State Department of Transportation PIN 8807.31.101 Harrison Sub-Residency Petroleum Spill Area (Spill #94-07349) West Harrison, New York Page 4 of 5

States Department of Environmental Protection suggests that a RPD of 20% as the standard upper limit in field duplicate comparisons.

There were no VOCs detected in the two trip blank samples.

Discussion of Groundwater Sample Results

TRC updated the database of historical groundwater quality data and concentration trend graphs previously prepared by HDR/EPM to support an evaluation of trends in groundwater quality data at the Site over time. The database and corresponding trend graphs are provided in Appendix D of this letter report.

BTEX compounds were not detected above the laboratory reporting limits in the groundwater samples from wells MW-11 or PC-1 during the July 2017 sampling event. Whereas, in the last monitoring event in April 2016, BTEX compounds were detected at a total concentration of 105.82 µg/L at MW-11 and were not detected above the laboratory reporting limits at PC-1. When comparing the down/sidegradient well (PC-1) and downgradient well (MW-11) natural attenuation parameter data, the alkalinity, dissolved iron and dissolved manganese concentrations are generally elevated which is evidence that natural biodegradation continues to occur in the plume. Based on the recent variability of BTEX groundwater concentrations, the current scope of groundwater monitoring at the Harrison Sub-Residency Petroleum Spill Area should continue on a fifth-quarterly basis unless otherwise directed by NYSDEC.

Please contact me at (212) 221-7822 ext. 105 or kmyers@trcsolutions.com with any questions or comments.

Sincerely,

TRC Engineers, Inc.

Kirsten Myers, P.E.

Project Manager

cc: J. Peronto, TRC



New York State Department of Transportation PIN 8807.31.101 Harrison Sub-Residency Petroleum Spill Area (Spill #94-07349) West Harrison, New York Page 5 of 5

Attachments:

Figures

Figure 1 – Site Location Map

Figure 2 – Monitoring Well Location Plan

Table

Table 1 – Groundwater Analytical Data Summary

Appendices

Appendix A – Groundwater Sampling Logs

Appendix B – Investigation-Derived Waste Disposal Documentation

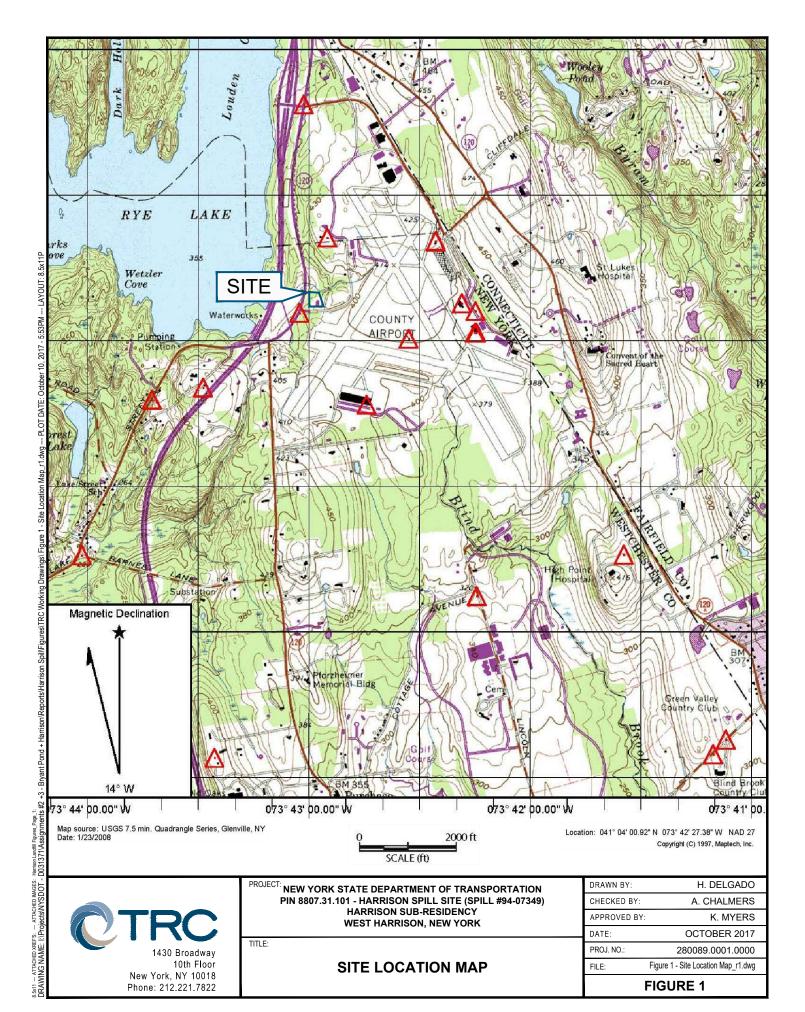
Appendix C – Laboratory Analytical Data Report

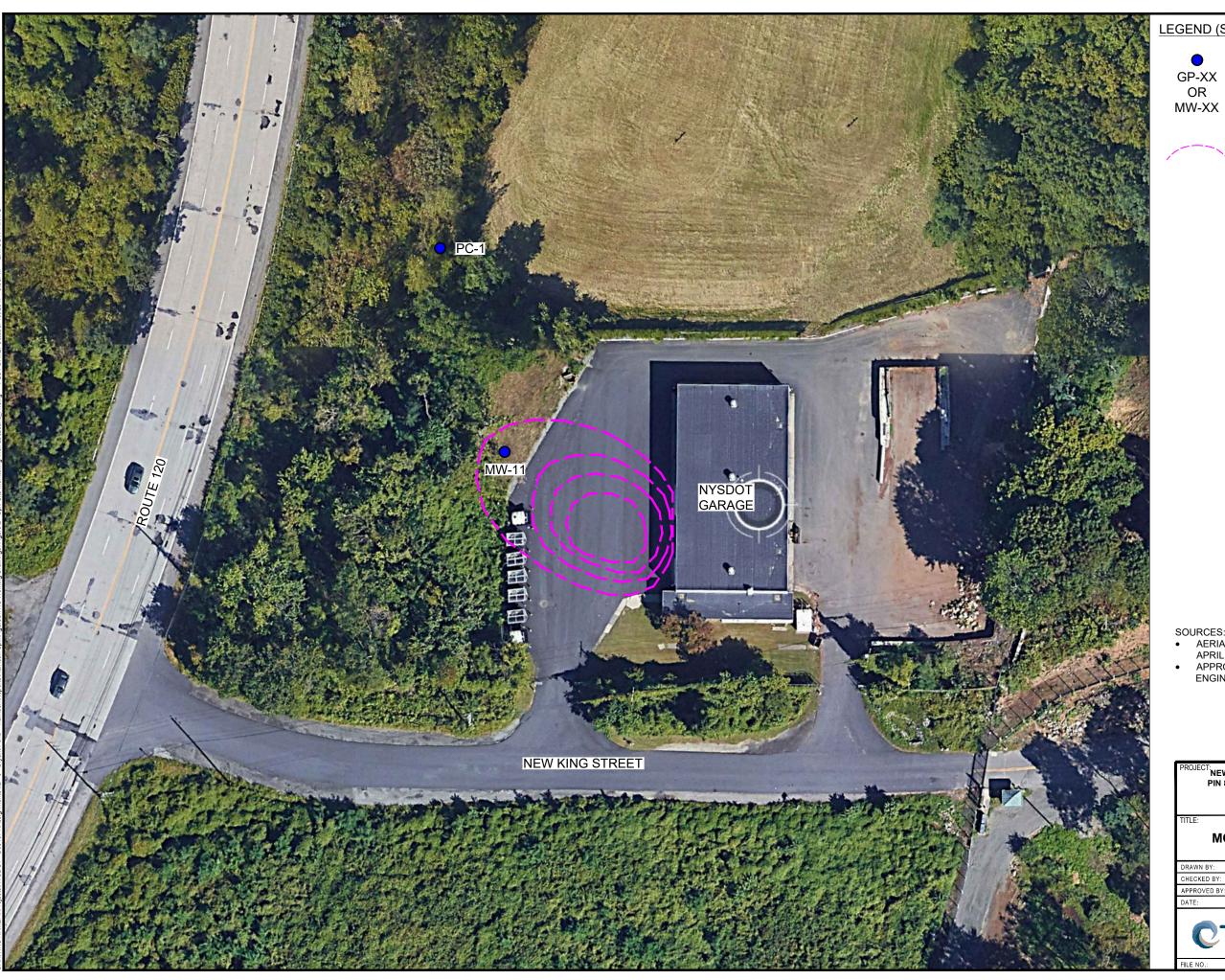
Appendix D – Groundwater Historical Data and Trend Graphs



FIGURES







LEGEND (SYMBOLS NOT TO SCALE):

GP-XX OR

GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER



APPROXIMATE PLUME LOCATION

- AERIAL IMAGE FROM GOOGLE EARTH PRO, DATED APRIL 16, 2016. APPROXIMATE PLUME LOCATION FROM HDR ENGINEERING, INC.



CT. NEW YORK STATE DEPARTMENT OF TRANSPORTATION PIN 8807.31.101 - HARRISON SPILL SITE (SPILL #94-07349) HARRISON SUB-RESIDENCY WEST HARRISON, NEW YORK

MONITORING WELL LOCATION MAP

DRAWN BY:	H. DELGADO
CHECKED BY:	A. CHALMERS
APPROVED BY:	K. MYERS
D. 1 T. F	0070000

FIGURE 2



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280089.0000.0000

Figure 2 - Spill Site Monitoring Well Locations_r1.dwg

TABLE



TABLE 1 NYSDOT - Harrison Sub-Residency Petroleum Spill Area Groundwater Analytical Data Summary July 2017

	CLIENT ID: LAB ID: COLLECTION DATE:	PC-1-201707 AC98940-001/2 7/12/17		PC-FD-2017074 AC98940-003/4 7/12/17		MW-11-201707 AC98905-017/18 7/11/17		TRIP BLANKS ⁵ VARIOUS 7/11/2017 - 7/12/17	
	NYSDEC Class GA								
Analyte	Standards ¹	Result	RL	Result	RL	Result	RL	Result	RL
Volatile Organic Compounds (μg/L)					!				
Benzene	1	ND	0.5	ND	0.5	ND	0.5	ND	0.5
Ethylbenzene	5	ND	1	ND	1	ND	1	ND	1
m&p-Xylenes	5 ²	ND	1	ND	1	ND	1	ND	1
Methyl-t-butyl ether	10	ND	0.5	ND	0.5	ND	0.5	ND	0.5
o-Xylene	5 ²	ND	1	ND	1	ND	1	ND	1
Toluene	5	ND	1	ND	1	ND	1	ND	1
Xylenes (Total)	5 ²	ND	1	ND	1	ND	1	ND	1
Total BTEX	NS	ND	1	ND	1	ND	1	ND	1
Metals (µg/L)									
Iron	$300/500^3$	1,400	300	1,400	300	370	300		
Manganese	300/500 ³	1,500	40	1,500	40	680	40		
Natural Attenuation Parameters (µg/L)									
Alkalinity (Total)	NS	390	10	400	10	280	10		
Alkalinity (Bicarbonate)	NS	390	10	400	10	280	10		
Alkalinity (Carbonate)	NS	ND	10	ND	10	ND	10		
Nitrate	NS	ND	1,000	ND	1,000	ND	1,000		
Sulfate	250,000	120,000	20,000	110,000	20,000	8,500	20,000		

Notes:

- (1) NYSDEC Class GA Standards are from Division of Water Technical and Operational Guidance Series (1.1.1), dated June 1998, revised April 2000.
- (2) -There is no GA value for total xylenes. The standards for o-xylene, m-xylene, and p-xylene is 5 $\mu g/L$
- (3) Standard of 300 ug/L applies to each substance and 500 ug/L applies to the sum of these substances
- (4) FD-01-201707 is blind duplicate of PC-1-201707
- (5) Trip Blanks and dates collected: TB-01-201707 (7/11/17) and TB-02-201707 (7/12/17)
- NS No Standard
- ND Analyte not detected at the listed reporting limit
- RL Reporting Limit
- μg/L micrograms per liter

Shaded and **bolded** values exceed regulatory criteria

Alkalinity values are reported in milligrams of CaCO3 per liter (mg CaCO3/L)



APPENDIX A GROUNDWATER SAMPLING LOGS



© TRC			Project: Harrison Lan	dfill		ect No.: 0088	Date/Tir 7/10/20		Sheet of 1 OF 1
Groundwater Sampling			TRC Personn		5/ JMR	0000	7710720		1 0. 1
Data Record Form									
WELL INTEGRITY				cation: MW-1	1-201707 		Deference Deints	la tada utu	1
WELL INTEGRITY	YES	NO	Protective	up f	t. Well		Reference Point:	historio	
Protect. Casing Secure	x		(from Groun	d)	Depth (ft.):	18.21	x top of riser	notch	eu.
Concrete Collar Intact	х		WELL DIAME		•	10.11	top of casing	x north s	
PVC Stick-up Intact	х			4 ir	. ,			high pt	
Well Cap Present	х			6 ir				pen ma	ark
Security Lock Present	х				Depth of pu	mp intake (f	t.): 16	.16 gal/ft (2 i	in \
								.65 gal/ft (4 i	
			WELL	. MATERIAL	Height of	(44.).	0.1	1.5 gal/ft (6 i	
PID SCREENING (ppmV)			х		Water colum Volume of V		8.1 (gal): 1.32	gal/ft (Depth to NAF	
Background	0		PVC SS		Total Gallon		1.39	Thickness of I	
Well Mouth		equired)			[Vol. = r ² h(0		1.03		= ().
FIELD WATER QUALITY MEAS	SUREMENTS								
Time	13:40	13:45	13:50	13:55	14:00	14:05		14:15	
Temp. (C.) - (±10%)	18.82	16.66	16.52	16.28	15.97	15.88		15.85	
pH (Std.Units) - (± 0.1)	6	6.16	6.01	6	6.01	6.02	6.03	6.04	_
ORP (millivolts) - (± 10)	194	135	115	101	98	93	87	84	
Conduct.(mS/cm) - (±3%) Turb. (NTU) - (± 10%)	0.803 14.7	0.758 1.1	0.766 9.3	0.722 9.5	0.771 8.8	0.770 9.5	0.771 10.4	0.772	
DO (mg/L) - (± 10%)	1.13	0	0	0	0.00	9.5	0	0	+
Depth to water (ft)	11.56	11.76	11.83	11.90	12.15	12.31	12.41	12.42	
Flow (ml/min)	150	150	150	150	150	150	150	150	
Salinity								1	
Comments									
Time									
Temp. (C.) - (±10%)									
pH (Std.Units) - (± 0.1)									
ORP (millivolts) - (± 10)									
Conduct.(mS/cm) - (±3%) Turb. (NTU) - (± 10%)								+	
DO (mg/L) - (± 10%)								+	+
Depth to water (ft)								+	
Flow (ml/min)									
Salinity									
Comments									
Pump Type Peristaltic Pump Submersible Pump Bladder Pump	Purge S	Sample X	Description o	of Sampling Ed	juipment				
Bailer:									
Analytical Parameters	Filtered (Y	/NI) I	Drocomoti	on I	Volume/Containe	rc I	Time Collected	1 ,	Sample ID
Analytical Parameters	N	/IN)	Preservation HCI	on	40ml x 3	15	14:20		1W-11-201707
	N		None		1L x 2		14:20		1W-11-201707 1W-11-201707
	N		None		5 ml Poly		14:20		1W-11-201707
	Υ		HNO3		1L Poly		14:20		1W-11-201707
	N		Zn Acetat	e	5 mL Poly		14:20	N	1W-11-201707
	Υ		NaOH		200 ml		14:20	N	1W-11-201707
Remarks:		<u>-</u>							

© TRC			Project: Harrison Lar	ndfill		ject No.: 80088	Date/Time: 7/12/2017	Sheet <u>of</u> 1 OF 1
Groundwater Sampling			TRC Person		JMR	80088	7/12/2017	1011
Data Record Form			TRC Person	ilei. ivis/	JIVIIK			
			Well Identifi	cation: PC-1-20	1707			_
WELL INTEGRITY			Protective				Reference Point:	historical
		NO		-up ft		17.81	<u> </u>	measured:
Protect. Casing Secure		x	(from Groun		Depth (ft.):		x top of riser	notch
Concrete Collar Intact	х		WELL DIAM			6.46	top of casing x	
PVC Stick-up Intact		x		4 inc				high pt
Well Cap Present Security Lock Present	X	x		6 inc		ump intake (ft.	\. 16	pen mark
Security Lock Present		<u> </u>			Depth of p	ump intake (it.		gal/ft (2 in.)
							.65	gal/ft (4 in.)
			WEL	L MATERIAL	Height of water colu	mn (tt):		gal/ft (6 in.) gal/ft (in.)
PID SCREENING (ppmV)			х		water colu	11111 (10.).		. gai/10 (iii.)
						Water in Well		oth to NAPL (ft.):
Background	0 (:6		PVC SS		Total Gallo		1.32 Thic	ckness of NAPL (ft.):
Well Mouth		equired)			[Vol. = r ² h	(0.163)]		
FIELD WATER QUALITY MEASTIME	10:05	10:10	10:15	10:20	10:25			
Temp. (C.) - (±10%)	18.19	18.63	18.77	18.70	18.66			
pH (Std.Units) - (± 0.1)	6.72	6.72	6.74	6.75	6.76			
ORP (millivolts) - (± 10)	-62	-67	-72	-77	-78			
Conduct.(mS/cm) - (±3%)	1.520	1.530	1.510	1.500	1.500			
Turb. (NTU) - (± 10%)	9.5	8.7	8.6	8.7	8.4	<u> </u>		
DO (mg/L) - (± 10%)	0.00	0	0	0	0.00			
Depth to water (ft)	7.35	7.15	7.15	7.10	7.10			
Flow (ml/min) Salinity	250	150	150	150	150			
Comments								
Time						1		
Temp. (C.) - (±10%)								
pH (Std.Units) - (± 0.1)								
ORP (millivolts) - (± 10)								
Conduct.(mS/cm) - (±3%)								
Turb. (NTU) - (± 10%)								
DO (mg/L) - (± 10%)								
Depth to water (ft)								
Flow (ml/min) Salinity								
Comments					1			<u> </u>
Comments								
Pump Type	Purge Sa	ample	Description	of Sampling Equ	ıipment			
Peristaltic Pump	х	x	•		•			
Submersible Pump								
Bladder Pump								
Bailer:								
Analytical Parameters	Eiltored N.	'NI) I	Deces :: '	on	Volume/C==+=	orc	Time Calletted	Cample ID
Analytical Parameters	Filtered (Y/ N	IN)	Preservati HCI	UII	Volume/Contain 40ml x 3	E15	Time Collected 10:30	Sample ID PC-1-201707
	N N	+	None		1L x 2	-	10:30	PC-1-201707 PC-1-201707
	N		None		5 ml Poly		10:30	PC-1-201707
	Y		HNO3		1L Poly		10:30	PC-1-201707
	Y		NaOH		200 ml		10:30	PC-1-201707
Remarks:								
-								
-								
-								
•								

APPENDIX B WASTE DISPOSAL DOCUMENTATION



WASTE MANIFEST	1. Generator ID Number	(*/	800-451-8984	design and	4. Waste T	racking Nun 082117 -	nber Rec D2 Rec CONSTRU	eived ion 8 CTION UNI
5. Generator's Name and Mailing	NYS DOT Region 8 Attn: Gretchen Fitzgerald Poughkeepsle, NY 12603	4 Burnett Blvd.	rator's Site Address NY 120 6 West Ha	s (if different to & New Kin Irrison, NY	Street	Talidas	SEP -	6 2017
Generator's Phone: 845-4 6. Transporter 1 Company Name	31-5826 MC Environmental Services, Inc.	MINN	- 2K		U.S. EPA ID	Number	NYR0000210	771
7. Transporter 2 Company Name	Mark a	C 1 1.		1	U.S. EPA ID			
8. Designated Facility Name and	Es Technical	Solutions	78 Codel	north	U.S. EPA ID		80 6313	69
	Veolla ES Technical So 4301 Infirmary Road West Carrollton, OH 49 9-2207-169	PERSONAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN COLUMN 1997 AND THE PERSON NAMED IN COLUMN 1997 A					OHD093945	293
9. Waste Shipping Name	and Description	* 2°	10. Conta		11. Total	12. Unit Wt./Vol.		
	, Non DOT-Regulated	1410 EU LAND V HOME SOMETÂN	No.	Type DM	Quantity	G VVI./VOI.		
None 2.					55	rd 24 (permina) 4 (b)		
3.								
4.							Received Region 8 TRUCTION I	
14. GENERATOR'S/OFFEROR marked and labeled/placard Generator's/Offeror's Printed/Ty	'S CERTIFICATION: I hereby declare that the conte ed, and are in all respects in proper condition for tra	ents of this consignment are full nsport according to applicable is Signatur	nternational and na	escribed above tional governm	by the proper s	shipping nam	Month	d, packaged,
Gretcher	n Fitzgerald	12	1	XX			8	18 17
15. International Shipments Transporter Signature (for expo	Import to U.S.	Export from U.S.		entry/exit: ving U.S.:				
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16. Transporter 1 Printed/Typed Na Transporter 2 Printed/Typed Na Transporter 2 Printed/Typed Na Transporter 2 Printed/Typed Na	Ludriolet	Signatur		//.	1		Month	Day Yea
17. Discrepancy 17a. Discrepancy Indication Sp		1				- 10 - 10		AND ADDRESS OF THE SECOND
17a. Discrepancy indication Sp	Quantity	Type	Residue : Manifest Reference	Number:	Partial F	Rejection	Month 1 B	Full Rejection
17b. Alternate Facility (or Gene	erator)	12.30			U.S. EPA I	D Number	Waste	Tay Tay
Facility's Phone:		1						D- '
17b. Alternate Facility (or General Facility's Phone: 17c. Signature of Alternate Facility's Phone:	ility (or Generator)						Month	Day Yea
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18. Designated Facility Owner Printed Typed Name	or Operator: Certification of receipt of materials cover	ered by the manifest except as Signatu		P	W		Month	Day Yea
69-BLC-O 5 11977 (Rev	(J 04) (W X X X X X X X X X X X X X X X X X X	Jy -	-/ / m	1	DESIGNA	TED FAC	CILITY TO G	ENERATO



 	SHIPPING DOCUMENT (Continuation Sheet) 21. Generator ID Number	22. <u>B</u> age	23. Shipping	Document Trac	king Number
	24. Generator's Name Nys Dot	Region	8.		
	24. Generator's Name Nys Dott 25. Transporter 3 Company Name Freehold Curtace	je Zne		U.S. EPA ID Number	74126164
	26. Transporter Company Name			U.S. EPA ID Number	
	27a. 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Conta No.	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	29. Total 30. U Quantity Wt./V	
ATOR —					
GENERATOR			2		
				9	
	32. Special Handling Instructions and Additional Information				
	for the second s				1
4 01	33. Transportet Acknowledgment of Receipt of Shipment Printed/Tyrged Name	Signature			Month Day Year
TDANCOODTED	Henry Vatterson 34. Transporter Acknowledgment of Receipt of Shipment	W	>		18125111
TDA		Signature			Month Day Year
VELIC	35. Discrepancy				e e
VTEN EA	36. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)				
DESIGNATED EACH ITY					
L					

APPENDIX C ANALYTICAL LABORATORY REPORTS



Hampton-Clarke Report Of Analysis

Client: TRC Engineering HC Project #: 7071123

Project: Harrison Sub Residency

Sample ID: LMW-2-201707 U

Lab#: AC98905-001

Collection Date: 7/10/2017 Receipt Date: 7/11/2017

Matrix: Aqueous

Analyte	DF	Units	RL	Result	
Chloride	1	mg/l	2.0	15	

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	0.87	ND
2,4-Dimethylphenol	1	ug/l	0.54	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol		-	2.2	
· · · · · · · · · · · · · · · · · · ·	<u> </u>	ug/l	2.2	ND ND
2-Methylnaphthalene		ug/l		
2-Methylphenol	1	ug/l	0.54	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/I	0.54	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.54	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND
4-Nitrophenol	1	ug/l	2.2	ND
Acenaphthene	1	ug/l	2.2	ND
Acenaphthylene	1	ug/l	2.2	ND
Acetophenone	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/I	2.2	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.54	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Caprolactam	1	ug/l	2.2	ND
Carbazole	1	ug/l	2.2	ND
Chrysene	 1	ug/l	2.2	ND
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran Dibenzofuran	1	ug/l	0.54	ND ND
Diethylphthalate	1	ug/l	2.2	ND ND
Dimethylphthalate	1		2.2	ND ND
	1	ug/l		
Di-n-butylphthalate		ug/l	0.54	ND ND
Di-n-octylphthalate	1	ug/l	2.2	ND
Fluoranthene	1	ug/l	2.2	ND

NOTE: Soil Results are reported to Dry Weight

Project #: 7071123

-	LMW-2-201707 U				ction Date:		
	AC98905-001			Red	ceipt Date:	7/11/2017	
Matrix:	Aqueous						
	Hexachlorobenzene	1	ug/l	2.2		ND	
	Hexachlorobutadiene	1	ug/l	2.2		ND	
	Hexachlorocyclopentadiene	1	ug/l	2.2		ND	
	Hexachloroethane	1	ug/l	2.2		ND	
	Indeno[1,2,3-cd]pyrene	1	ug/l	2.2		ND	
	Isophorone	1	ug/l	2.2		ND	
	Naphthalene	1	ug/l	0.54		ND	
	Nitrobenzene	1	ug/l	2.2		ND	
	N-Nitroso-di-n-propylamine	1	ug/l	0.54		ND	
	N-Nitrosodiphenylamine	1	ug/l	2.2		ND	
	Pentachlorophenol	1	ug/l	11		ND	
	Phenanthrene	1	ug/l	2.2		ND	
	Phenol	1	ug/l	2.2		ND	
	Pyrene	1	ug/l	2.2		ND	
	Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	49.83	50	55	146	100	
	Phenol-d5	37.73	100	27	115	38	
	Nitrobenzene-d5	46.07	50	51	139	92	
	2-Fluorophenol	53.11	100	29	113	53	
	2-Fluorobiphenyl	45.02	50	53	129	90	
	2,4,6-Tribromophenol	88.33	100	54	149	88	

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND ND
- 7	•	. 3	***	• •=

ample ID:	LMW-2-201707 U				Collection Date: 7/10/2017			
Lab#:	AC98905-001				Red	ceipt Date:	7/11/2017	
Matrix:	Aqueous					<u> </u>		
	Tetrachloroethene	1		ug/l	1.0		ND	
	Toluene	1		ug/l	1.0		ND	
	trans-1,2-Dichloroethene	1		ug/l	1.0		ND	
	trans-1,3-Dichloropropene	1		ug/l	1.0		ND	
	Trichloroethene	1		ug/l	1.0		ND	
	Trichlorofluoromethane	1		ug/l	1.0		ND	
	Vinyl chloride	1		ug/l	1.0		ND	
	Xylenes (Total)	1		ug/l	1.0		ND	
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Toluene-d8	29.15	30		79	111	97	
	Dibromofluoromethane	35.88	30		73	131	120	
	Bromofluorobenzene	28.81	30		82	112	96	
	1,2-Dichloroethane-d4	34.04	30		78	128	113	

 Sample ID: LMW-2-201707 F
 Collection Date: 7/10/2017

 Lab#: AC98905-002
 Receipt Date: 7/11/2017

 Matrix: Aqueous
 Receipt Date: 7/11/2017

anide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
rcury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
L Metals 6010				
Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	85
Calcium	1	ug/l	5000	60000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	ND
Magnesium	1	ug/l	5000	22000
Manganese	1	ug/l	40	ND
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	22000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND
L Metals 6020				
Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND

ug/l

ug/l

10

2.0

ND

ND

Selenium

Thallium

Sample ID: LMW-4-201707 U Lab#: AC98905-003 Matrix: Aqueous Collection Date: 7/10/2017 Receipt Date: 7/11/2017

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result	
Chloride	1	mg/l	2.0	16	

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	0.89	ND
2,4-Dimethylphenol	1	ug/l	0.56	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline				ND
	1	ug/l	2.2 2.2	ND ND
2-Nitrophenol	1	ug/l		
3&4-Methylphenol	1	ug/l	0.56	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND
4-Nitrophenol	1	ug/l	2.2	ND
Acenaphthene	1	ug/l	2.2	ND
Acenaphthylene	1	ug/l	2.2	ND
Acetophenone	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/l	2.2	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.56	ND
pis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
pis(2-Ethylhexyl)phthalate	<u>·</u> 1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Caprolactam	1	ug/l	2.2	ND ND
Carbazole	1	-	2.2	ND ND
	1	ug/l		
Chrysene		ug/l	2.2	ND
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran	1	ug/l	0.56	ND
Diethylphthalate	1	ug/l	2.2	ND
Dimethylphthalate	1	ug/l	2.2	ND
Di-n-butylphthalate	1	ug/l	0.56	ND
Di-n-octylphthalate	1	ug/l	2.2	ND
Fluoranthene	1	ug/l	2.2	ND
Fluorene	1	ug/l	2.2	ND
Hexachlorobenzene	1	ug/l	2.2	ND
Hexachlorobutadiene	1	ug/l	2.2	ND
Hexachlorocyclopentadiene	1	ug/l	2.2	ND
Hexachloroethane	1	ug/l	2.2	ND
ndeno[1,2,3-cd]pyrene	1	ug/l	2.2	ND
sophorone	1	ug/l	2.2	ND
Naphthalene	1	ug/l	0.56	ND
Nitrobenzene	1	ug/l	2.2	ND

NOTE: Soil Results are reported to Dry Weight

Sample ID:	LMW-4-201707 U	N-4-201707 U			Collection Date: 7/10/2017			
Lab#:	AC98905-003			Red	ceipt Date:	7/11/2017		
Matrix:	Aqueous				<u> </u>			
	N-Nitroso-di-n-propylamine	1	ug/l	0.56		ND		
	N-Nitrosodiphenylamine	1	ug/l	2.2		ND		
	Pentachlorophenol	1	ug/l	11		ND		
	Phenanthrene	1	ug/l	2.2		ND		
	Phenol	1	ug/l	2.2		ND		
	Pyrene	1	ug/l	2.2		ND		
	Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags	
	Terphenyl-d14	50.75	50	55	146	102		
	Phenol-d5	36.40	100	27	115	36		
	Nitrobenzene-d5	43.68	50	51	139	87		
	2-Fluorophenol	50.70	100	29	113	51		
	2-Fluorobiphenyl	43.47	50	53	129	87		
	2,4,6-Tribromophenol	92.46	100	54	149	92		

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	<u>'</u> 1	ug/l	1.0	ND ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	-	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
	1	ug/l		ND
Dichlorodifluoromethane	1	ug/l	1.0	
Ethylbenzene		ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: LMW-4-201707 U Lab#: AC98905-003 Matrix: Aqueous Collection Date: 7/10/2017 Receipt Date: 7/11/2017

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.86	30	79	111	96	
Dibromofluoromethane	36.24	30	73	131	121	
Bromofluorobenzene	29.69	30	82	112	99	
1,2-Dichloroethane-d4	34.80	30	78	128	116	

NOTE: Soil Results are reported to Dry Weight Project #: 7071123 Page 7 of 36

 Sample ID: LMW-4-201707 F
 Collection Date: 7/10/2017

 Lab#: AC98905-004
 Receipt Date: 7/11/2017

 Matrix: Aqueous
 Receipt Date: 7/11/2017

anide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
ercury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
L Metals 6010				
Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	1200
Barium	1	ug/l	50	180
Calcium	1	ug/l	5000	43000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	110000
Magnesium	1	ug/l	5000	17000
Manganese	1	ug/l	40	12000
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	28000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND
L Metals 6020				
Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	4.2
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	7.0
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Sample ID: PC-2-201707 U Lab#: AC98905-005 Matrix: Aqueous Collection Date: 7/10/2017 Receipt Date: 7/11/2017

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	18

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.85	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	<u>'</u> 1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	<u>'</u> 1	ug/l	2.1	ND ND
2-Methylphenol	1	ug/l	0.53	ND
		-		ND
2-Nitrophonel	1	ug/l	2.1	
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene Isophorone	1	ug/l	2.1	ND ND
Naphthalene		-	0.53	ND ND
napriirialerie	1	ug/l	บ.จง	ND

Lab#:	PC-2-201707 U AC98905-005				ction Date: ceipt Date:		
watrix:	Aqueous						
	N-Nitroso-di-n-propylamine	1	ug/l	0.53		ND	
	N-Nitrosodiphenylamine	1	ug/l	2.1		ND	
	Pentachlorophenol	1	ug/l	11		ND	
	Phenanthrene	1	ug/l	2.1		ND	
	Phenol	1	ug/l	2.1		ND	
	Pyrene	1	ug/l	2.1		ND	
	Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	49.97	50	55	146	100	
	Phenol-d5	34.30	100	27	115	34	
	Nitrobenzene-d5	43.35	50	51	139	87	
	2-Fluorophenol	48.94	100	29	113	49	
	2-Fluorobiphenyl	43.67	50	53	129	87	
	2,4,6-Tribromophenol	88.53	100	54	149	89	

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	 1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	<u>'</u> 1	ug/l	0.50	ND
Bromochloromethane	1	-	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
	1	ug/l		
Bromomethane		ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND ND
Chlorobenzene	1	ug/I	1.0	ND
Chloreform	1 1	ug/l	1.0	ND ND
Chloroform		ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: PC-2-201707 U Lab#: AC98905-005

Matrix: Aqueous

Collection Date: 7/10/2017 Receipt Date: 7/11/2017

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.76	30	79	111	96	
Dibromofluoromethane	36.23	30	73	131	121	
Bromofluorobenzene	29.23	30	82	112	97	
1,2-Dichloroethane-d4	35.00	30	78	128	117	

NOTE: Soil Results are reported to Dry Weight Project #: 7071123 Page 11 of 36 Sample ID: PC-2-201707 F Collection Date: 7/10/2017

Lab#: AC98905-006 Receipt Date: 7/11/2017

Matrix: Aqueous

Cyanide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
Mercury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
FAL Metals 6010				
Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	140
Calcium	1	ug/l	5000	84000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	62000
Magnesium	1	ug/l	5000	20000
Manganese	1	ug/l	40	10000
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	ND
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	36000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND
AL Metals 6020				
Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
T				

ug/l

2.0

ND

Thallium

7071123

Sample ID: SW-4-201707 U Collection Date: 7/11/2017 Lab#: AC98905-007 Receipt Date: 7/11/2017

Matrix: Aqueous

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	10
yanide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
ardness 200.7		<u> </u>		
Analyte	DF	Units	RL	Result
Hardness	1	mg caco3/I	6.6	110
ercury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
emivolatile Organics (no search) 8270				
	DE	Unita	D.	Decult
Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND ND
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	1	ug/l	2.2	ND ND
2,4,6-1 richiorophenol 2,4-Dichlorophenol	1	ug/l ug/l	0.89	ND ND
2,4-Dimethylphenol	1	ug/l	0.56	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/l	0.56	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitrophopol	1	ug/l	2.2	ND ND
4-Nitrophenol	1 1	ug/l	2.2	ND ND
Acenaphthene Acenaphthylene	1	ug/l	2.2 2.2	ND ND
Acetophenone	1	ug/l ug/l	2.2	ND ND
Anthracene	1	ug/l ug/l	2.2	ND ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/l	2.2	ND
Benzo[a]anthracene	 1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.56	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Caprolactam	1	ug/l	2.2	ND
Carbazole	1	ug/l	2.2	ND
Chrysene	1	ug/l	2.2	ND
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran	1	ug/l	0.56	ND

nple ID:	SW-4-201707 U				Collec	tion Date:	7/11/2017	
-	AC98905-007					eipt Date:		
	Aqueous					и.р ш.о.	.,,20	
	Dimethylphthalate	1		ug/l	2.2		ND	
	Di-n-butylphthalate	1		ug/l	0.56		ND	
	Di-n-octylphthalate	1		ug/l	2.2		ND	
	Fluoranthene	1		ug/l	2.2		ND	
	Fluorene	1		ug/l	2.2		ND	
	Hexachlorobenzene	1		ug/l	2.2		ND	
	Hexachlorobutadiene	. 1		ug/l	2.2		ND	
	Hexachlorocyclopentadiene	. 1		ug/l	2.2		ND	
	Hexachloroethane	1		ug/l	2.2		ND	
	Indeno[1,2,3-cd]pyrene	. 1		ug/l	2.2		ND	
	Isophorone	. 1		ug/l	2.2		ND	
	Naphthalene	1		ug/l	0.56		ND	
	Nitrobenzene	1		ug/l	2.2		ND	
	N-Nitroso-di-n-propylamine	1		-	0.56		ND	
				ug/l				
	N-Nitrosodiphenylamine	1		ug/l	2.2		ND	
	Pentachlorophenol	1		ug/l	11		ND	
	Phenanthrene	1		ug/l	2.2		ND	
	Phenol	1		ug/l	2.2		ND	
	Pyrene	1		ug/l	2.2		ND	
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	49.23	50		55	146	98	
	Phenol-d5	36.47	100		27	115	36	
	Nitrobenzene-d5	44.19	50		51	139	88	
	2-Fluorophenol	51.37	100		29	113	51	
	2-Fluorobiphenyl	43.31	50		53	129	87	
_	2,4,6-Tribromophenol	86.90	100		54	149	87	
T	TAL Metals 6010							
	Analyte	D	F	Units	RL		Result	
	Aluminum	1		ug/l	200		260	
	Barium	1		ug/l	50		ND	
	Calcium	1	1	ug/l	5000		34000	
	Chromium	1		ug/l	50		ND	
	Copper	1		ug/l	50		ND	
	Iron	1		ug/l	300		980	
	Magnesium	1		ug/l	5000		9500	
	Manganese	1		ug/l	40		700	
	Nickel	1		ug/l	50		ND	
	Potassium	1		ug/l	5000		ND	
	Silver	1		ug/l	20		ND	
	Sodium	1		ug/l	5000		13000	
	Vanadium	1		ug/l	50		ND	
	Zinc	1		ug/I ug/I	50		ND	
Т	TAL Metals 6020							
_	Analyte	D	F	Units	RL		Result	
	Antimony	1		ug/l	3.0		ND	
	Arsenic	1		ug/l	2.0		ND	
	Beryllium	. 1		ug/l	1.0		ND	
	Cadmium	. 1		ug/l	2.0		ND	
	Cobalt	1		ug/l	2.0		ND	
	Lead	1		ug/l	3.0		ND	
	Selenium	1		ug/I ug/I	10		ND	
	Thallium	1		ug/l	2.0		ND	
٧	/olatile Organics (no search) 8260							
-	Analyte	D	F	Units	RL		Result	
	1,1,1-Trichloroethane	1		ug/l	1.0	-	ND	
		1		ug/l	1.0		ND	
	1.1.2.2-Tetrachioroethane			ug/l	1.0		ND	
	1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane	1					ND	
	1,1,2-Trichloro-1,2,2-trifluoroethane	1		ua/l				
	1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane	1	ı	ug/l ug/l	1.0			
	1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane	1	- 1	ug/l	1.0		ND	
	1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene	1 1 1	1	ug/l ug/l	1.0 1.0		ND ND	
	1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene	1 1 1 1	1	ug/l ug/l ug/l	1.0 1.0 1.0		ND ND ND	
	1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	1 1 1 1 1	1	ug/l ug/l ug/l ug/l	1.0 1.0 1.0 1.0		ND ND ND ND	
	1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene	1 1 1 1	1	ug/l ug/l ug/l	1.0 1.0 1.0		ND ND ND	

-	SW-4-201707 U					ction Date:		
	AC98905-007				Red	ceipt Date:	7/11/2017	
Matrix:	Aqueous							
	1,2-Dichloroethane	1		ug/l	0.50		ND	
	1,2-Dichloropropane	1		ug/l	1.0		ND	
	1,3-Dichlorobenzene	1		ug/l	1.0		ND	
	1,4-Dichlorobenzene	1		ug/l	1.0		ND	
	1,4-Dioxane	1		ug/l	50		ND	
	2-Butanone	1		ug/l	1.0		ND	
	2-Hexanone	1		ug/l	1.0		ND	
	4-Methyl-2-pentanone	1		ug/l	1.0		ND	
	Acetone	1		ug/l	5.0		ND	
	Benzene	1		ug/l	0.50		ND	
	Bromochloromethane	1		ug/l	1.0		ND	
	Bromodichloromethane	1		ug/l	1.0		ND	
	Bromoform	1		ug/l	1.0		ND	
	Bromomethane	1		ug/l	1.0		ND	
	Carbon disulfide	1		ug/l	1.0		ND	
	Carbon tetrachloride	1		ug/l	1.0		ND	
	Chlorobenzene	1		ug/l	1.0		ND	
	Chloroethane	1		ug/l	1.0		ND	
	Chloroform	1		ug/l	1.0		ND	
	Chloromethane	1		ug/l	1.0		ND	
	cis-1,2-Dichloroethene	1		ug/l	1.0		ND	
	cis-1,3-Dichloropropene	1		ug/l	1.0		ND	
	Cyclohexane	1		ug/l	1.0		ND	
	Dibromochloromethane	1		ug/l	1.0		ND	
	Dichlorodifluoromethane	1		ug/l	1.0		ND	
	Ethylbenzene	1		ug/l	1.0		ND	
	Isopropylbenzene	1		ug/l	1.0		ND	
	m&p-Xylenes	1		ug/l	1.0		ND	
	Methyl Acetate	1		ug/l	1.0		ND	
	Methylcyclohexane	1		ug/l	1.0		ND	
	Methylene chloride	1		ug/l	1.0		ND	
	Methyl-t-butyl ether	1		ug/l	0.50		ND	
	o-Xylene	1		ug/l	1.0		ND	
	Styrene	1		ug/l	1.0		ND	
	Tetrachloroethene	1		ug/l	1.0		ND	
	Toluene	1		ug/l	1.0		ND	
	trans-1,2-Dichloroethene	<u>.</u> 1		ug/l	1.0		ND	
	trans-1,3-Dichloropropene	. 1		ug/l	1.0		ND	
	Trichloroethene	1		ug/l	1.0		ND	
	Trichlorofluoromethane	. 1		ug/l	1.0		ND	
	Vinyl chloride	<u>.</u> 1		ug/l	1.0		ND	
	Xylenes (Total)	. 1		ug/l	1.0		ND	
	Surrogate	Conc.	Spike	-3··	Low Limit	High Limit	Recovery	Flags
	Toluene-d8	28.55	30		79	111	95	
	Dibromofluoromethane	36.95	30		73	131	123	
	Bromofluorobenzene	29.82	30		82	112	99	
	1,2-Dichloroethane-d4	34.58	30		78	128	115	

Collection Date: 7/11/2017 Receipt Date: 7/11/2017

Sample ID:	SD-4-201707
Lab#:	AC98905-009
Matrix:	Sediment/Encore
_	

% Solids SM2540G				
Analyte	DF	Units	RL	Result
%Solids	1	percent		68
Chloride (Soil) 9056A				
Analyte	DF	Units	RL	Result
Chloride	1	mg/kg	29	ND
Cyanide (Soil/Waste) 9012B				
	DF	Units	RL	Result
Analyte				
Cyanide	1	mg/kg	0.35	ND
Mercury (Soil/Waste) 7471B				
Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.12	ND
Semivolatile Organics (no search) 8270				
Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.049	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.049	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.049	ND
2,4,5-Trichlorophenol	1	mg/kg	0.049	ND
2,4,6-Trichlorophenol	1	mg/kg	0.049	ND
2,4-Dichlorophenol	1	mg/kg	0.012	ND
2,4-Dimethylphenol	1	mg/kg	0.012	ND
2,4-Dinitrophenol	1	mg/kg	0.25	ND
2,4-Dinitrotoluene	1 1	mg/kg	0.049	ND
2,6-Dinitrotoluene 2-Chloronaphthalene	1	mg/kg mg/kg	0.049 0.049	ND ND
2-Chlorophenol	1	mg/kg	0.049	ND
2-Methylnaphthalene	1	mg/kg	0.049	ND ND
2-Methylphenol	1	mg/kg	0.012	ND
2-Nitroaniline	1	mg/kg	0.049	ND
2-Nitrophenol	1	mg/kg	0.049	ND
3&4-Methylphenol	1	mg/kg	0.012	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.049	ND
3-Nitroaniline	1	mg/kg	0.049	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.25	ND
4-Bromophenyl-phenylether	1	mg/kg	0.049	ND
4-Chloro-3-methylphenol	1	mg/kg	0.049	ND
4-Chloroaniline	1	mg/kg	0.012	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.049	ND
4-Nitroaniline	1	mg/kg	0.049	ND
4-Nitrophenol Acenaphthene	1 1	mg/kg	0.049 0.049	ND ND
Acenaphthylene	1	mg/kg mg/kg	0.049	ND
Acetophenone	1	mg/kg	0.049	ND ND
Anthracene	1	mg/kg	0.049	ND
Atrazine	1	mg/kg	0.049	ND
Benzaldehyde	1	mg/kg	0.049	ND
Benzo[a]anthracene	1	mg/kg	0.049	ND
Benzo[a]pyrene	1	mg/kg	0.049	ND
Benzo[b]fluoranthene	1	mg/kg	0.049	ND
Benzo[g,h,i]perylene	1	mg/kg	0.049	ND
Benzo[k]fluoranthene	1	mg/kg	0.049	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.049	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.012	ND
bis(2-Chloroisopropyl)ether	1 1	mg/kg	0.049	ND ND
bis(2-Ethylhexyl)phthalate Butylbenzylphthalate	1	mg/kg	0.049 0.049	ND ND
Caprolactam	1	mg/kg mg/kg	0.049	ND ND
Carbazole	1	mg/kg	0.049	ND
Chrysene	1	mg/kg	0.049	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.049	ND
Dibenzofuran	1	mg/kg	0.012	ND
Diberizordian	•			

יטו pie וט:	SD-4-201707				Collec	tion Date:	7/11/2017	
-	AC98905-009					eipt Date:		
Matrix:	Sediment/Encore						.,,_•	
	Dimethylphthalate	1		mg/kg	0.049		ND	
	Di-n-butylphthalate	1		mg/kg	0.012		ND	
	Di-n-octylphthalate	. 1		mg/kg	0.049		ND	
	Fluoranthene	1		mg/kg	0.049		ND	
	Fluorene	<u> </u>		mg/kg	0.049		ND	
	Hexachlorobenzene	. 1		mg/kg	0.049		ND	
	Hexachlorobutadiene	. 1		mg/kg	0.049		ND	
	Hexachlorocyclopentadiene	1		mg/kg	0.12		ND	
	Hexachloroethane	1		mg/kg	0.049		ND	
	Indeno[1,2,3-cd]pyrene	1		mg/kg	0.049		ND	
	Isophorone	1		mg/kg	0.049		ND	
	Naphthalene	1		mg/kg	0.049		ND	
	Nitrobenzene	1		mg/kg	0.049		ND	
	N-Nitroso-di-n-propylamine	1		mg/kg	0.049		ND	
	N-Nitrosodiphenylamine	1			0.012		ND	
				mg/kg				
	Pentachlorophenol	1		mg/kg	0.25		ND	
	Phenanthrene	1		mg/kg	0.049		ND	
	Phenol	1		mg/kg	0.049		ND	
	Pyrene	1	.	mg/kg	0.049		ND	
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	54.04	50		58	148	108	
	Phenol-d5	87.10	100		49	129	87	
	Nitrobenzene-d5	42.62	50		52	129	85	
	2-Fluorophenol	84.55	100		43	128	85	
	2-Fluorobiphenyl	46.87	50		58	125	94	
_	2,4,6-Tribromophenol	107.04	100		54	145	107	
1	TAL Metals 6010							
	Analyte	D	F	Units	RL		Result	
	Aluminum	1		mg/kg	290		11000	
	Barium	1		mg/kg	15		130	
	Calcium	1		mg/kg	1500		15000	
	Chromium	1		mg/kg	7.4		29	
	Cobalt	1		mg/kg	3.7		7.6	
	Copper	1		mg/kg	7.4		11	
	Iron	1		mg/kg	290		27000	
	Lead	1		mg/kg	7.4		13	
	Magnesium	1		mg/kg	740		12000	
	Manganese	1		mg/kg	15		1900	
	Nickel	1		mg/kg	7.4		22	
	Potassium	1		mg/kg	740		2000	
	Sodium	1		mg/kg	370		ND	
	Vanadium	1		mg/kg	15		39	
	Zinc	1		mg/kg	15		81	
1	TAL Metals 6020							
_	Analyte	D)F	Units	RL		Result	
	Antimony	1		mg/kg	1.2		ND	
	Arsenic	1		mg/kg	0.29		2.0	
	Beryllium	1		mg/kg	0.29		ND	
	Cadmium	1		mg/kg	0.59		ND	
	Selenium	1		mg/kg	2.9		ND	
		1		mg/kg	0.29		ND	
	Silver			mg/kg	0.59		ND	
		1		0 0				
_	Silver			0 0				
<u>_</u>	Silver Thallium	1)F	Units	RL		Result	
- <u>\</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte	1 D		Units				
<u>.</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane	1 	.07	Units mg/kg	0.0031		ND	
<u></u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	1 E 1.	.07 .07	Units mg/kg mg/kg	0.0031 0.0031		ND ND	
<u>\</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane	1 E 1. 1.	07 07 07	Units mg/kg mg/kg mg/kg	0.0031 0.0031 0.0031		ND ND ND	
<u>\</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane	1 E 1. 1. 1.	.07 .07 .07 .07	Units mg/kg mg/kg mg/kg mg/kg	0.0031 0.0031 0.0031 0.0031		ND ND ND ND	
<u>.</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane	1 1. 1. 1.	07 07 07 07 07	Units mg/kg mg/kg mg/kg mg/kg mg/kg	0.0031 0.0031 0.0031 0.0031		ND ND ND ND	
<u>.</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene	1 1. 1. 1. 1.	07 07 07 07 07	Units mg/kg mg/kg mg/kg mg/kg mg/kg	0.0031 0.0031 0.0031 0.0031 0.0031		ND ND ND ND ND	
<u>.</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene	1 1. 1. 1. 1. 1.	07 07 07 07 07 07	Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.0031 0.0031 0.0031 0.0031 0.0031 0.0031		ND	
<u>.</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-3-Trichlorobenzene 1,2,4-Trichlorobenzene	1 D 1. 1. 1. 1. 1.	07 07 07 07 07 07 07 07	Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.0031 0.0031 0.0031 0.0031 0.0031 0.0031 0.0031		ND	
<u>.</u>	Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene	1 1. 1. 1. 1. 1. 1. 1.	07 07 07 07 07 07	Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.0031 0.0031 0.0031 0.0031 0.0031 0.0031		ND	

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watrix:	Sediment/Encore								
	1,2-Dichloroethane		1.07		mg/kg	0.0031		ND	
	1,2-Dichloropropane		1.07		mg/kg	0.0031		ND	
	1,3-Dichlorobenzene		1.07		mg/kg	0.0031		ND	
	1,4-Dichlorobenzene		1.07		mg/kg	0.0031		ND	
	1,4-Dioxane		1.07		mg/kg	0.16		ND	
	2-Butanone		1.07		mg/kg	0.0031		ND	
	2-Hexanone		1.07		mg/kg	0.0031		ND	
	4-Methyl-2-pentanone		1.07		mg/kg	0.0031		ND	
	Acetone		1.07		mg/kg	0.016		ND	
	Benzene		1.07		mg/kg	0.0016		ND	
	Bromochloromethane		1.07		mg/kg	0.0031		ND	
	Bromodichloromethane		1.07		mg/kg	0.0031		ND	
	Bromoform		1.07		mg/kg	0.0031		ND	
	Bromomethane		1.07		mg/kg	0.0031		ND	
	Carbon disulfide		1.07		mg/kg	0.0031		ND	
	Carbon tetrachloride		1.07		mg/kg	0.0031		ND	
	Chlorobenzene		1.07		mg/kg	0.0031		ND	
	Chloroethane		1.07		mg/kg	0.0031		ND	
	Chloroform		1.07		mg/kg	0.0031		ND	
	Chloromethane		1.07		mg/kg	0.0031		ND	
	cis-1,2-Dichloroethene		1.07		mg/kg	0.0031		ND	
	cis-1,3-Dichloropropene		1.07		mg/kg	0.0031		ND	
	Cyclohexane		1.07		mg/kg	0.0031		ND	
	Dibromochloromethane		1.07		mg/kg	0.0031		ND	
	Dichlorodifluoromethane		1.07		mg/kg	0.0031		ND	
	Ethylbenzene		1.07		mg/kg	0.0016		ND	
	Isopropylbenzene		1.07		mg/kg	0.0016		ND	
	m&p-Xylenes		1.07		mg/kg	0.0016		ND	
	Methyl Acetate		1.07		mg/kg	0.0031		ND	
	Methylcyclohexane		1.07		mg/kg	0.0031		ND	
	Methylene chloride		1.07		mg/kg	0.0031		ND	
	Methyl-t-butyl ether		1.07		mg/kg	0.0016		ND	
	o-Xylene		1.07		mg/kg	0.0016		ND	
	Styrene		1.07		mg/kg	0.0031		ND	
	Tetrachloroethene		1.07		mg/kg	0.0031		ND	
	Toluene		1.07		mg/kg	0.0016		ND	
	trans-1,2-Dichloroethene		1.07		mg/kg	0.0031		ND	
	trans-1,3-Dichloropropene		1.07		mg/kg	0.0031		ND	
	Trichloroethene		1.07		mg/kg	0.0031		ND	
	Trichlorofluoromethane		1.07		mg/kg	0.0031		ND	
	Vinyl chloride		1.07		mg/kg	0.0031		ND	
	Xylenes (Total)		1.07		mg/kg	0.0016		ND	
	Surrogate	Conc.		Spike	- •	Low Limit	High Limit	Recovery	Flags
	Toluene-d8	27.64		30		68	122	92	
	Dibromofluoromethane	34.09		30		63	140	114	
	Bromofluorobenzene	30.29		30		64	129	101	
	1,2-Dichloroethane-d4	36.55		30		63	143	122	

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 7/11/2017

 Lab#:
 AC98905-010
 Receipt Date:
 7/11/2017

 Matrix:
 Aqueous

nloride (Water) 300.0				
Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	7.0
/anide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1		0.020	ND
<u> </u>		mg/l	0.020	NU
ardness 200.7				
Analyte	DF	Units	RL	Result
Hardness	1	mg caco3/I	6.6	110
ercury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
emivolatile Organics (no search) 8270	· · · · · · · · · · · · · · · · · · ·	ug.		
	DE	Huita	DI.	Dooult
Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.0	ND ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.0	ND ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.0	ND ND
2,4,5-Trichlorophenol	1 1	ug/l	2.0	ND ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol	1 1	ug/l ug/l	2.0 0.80	ND ND
2,4-Dimethylphenol	1	ug/l ug/l	0.50	ND ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Acetophenone	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Atrazine	1	ug/l	2.0	ND
Benzaldehyde	1	ug/l	2.0	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene	1	ug/l	2.0	ND
Benzo[g,h,i]perylene	1 1	ug/l	2.0	ND ND
Benzo[k]fluoranthene bis(2-Chloroethoxy)methane		ug/l		
bis(2-Chloroethoxy)methane bis(2-Chloroethyl)ether	1 1	ug/l	2.0 0.50	ND ND
bis(2-Chloroisopropyl)ether	1	ug/l ug/l	2.0	ND ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND ND
bis(z-Etnyinexyi)phthalate Butylbenzylphthalate	1	-	2.0	ND ND
Caprolactam	1	ug/l ug/l	2.0	ND ND
Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND

mple ID:	SW-2-201707 U				Collec	tion Date:	7/11/2017	
-	AC98905-010					eipt Date:		
	Aqueous					о.р ш.о.	.,,20	
	Dimethylphthalate	1		ug/l	2.0		ND	
	Di-n-butylphthalate	1		ug/l	0.50		ND	
	Di-n-octylphthalate	1		ug/l	2.0		ND	
	Fluoranthene	1		ug/l	2.0		ND	
	Fluorene	1		ug/l	2.0		ND	
	Hexachlorobenzene	1		ug/l	2.0		ND	
	Hexachlorobutadiene	1		ug/l	2.0		ND	
	Hexachlorocyclopentadiene	1		ug/l	2.0		ND	
	Hexachloroethane	1		ug/l	2.0		ND	
	Indeno[1,2,3-cd]pyrene	1		ug/l	2.0		ND	
	Isophorone	1		ug/l	2.0		ND	
	Naphthalene	1		ug/l	0.50		ND	
	Nitrobenzene	1		ug/l	2.0		ND	
	N-Nitroso-di-n-propylamine	1		ug/l	0.50		ND	
	N-Nitrosodiphenylamine	1		ug/l	2.0		ND	
	Pentachlorophenol	1		ug/l	10		ND	
	Phenanthrene	1		ug/l	2.0		ND	
	Phenol	1		ug/l	2.0		ND	
	Pyrene	1		ug/l	2.0		ND	
	Surrogate	Conc.	Spike	•	Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	43.33	50		55	146	87	- 3-
	Phenol-d5	42.29	100		27	115	42	
	Nitrobenzene-d5	34.62	50		51	139	69	
	2-Fluorophenol	48.59	100		29	113	49	
	2-Fluorobiphenyl	36.06	50		53	129	72	
_	2,4,6-Tribromophenol	69.70	100		54	149	70	
Т	TAL Metals 6010							
_	Analyte	D	F	Units	RL		Result	
	Aluminum	1		ug/l	200		ND	
	Barium	1		ug/l	50		ND	
	Calcium	1		ug/l	5000		36000	
	Chromium	1		ug/l	50		ND	
	Copper	1		ug/l	50		ND	
	Iron	1		ug/l	300		650	
	Magnesium	1		ug/l	5000		9900	
	Manganese	1		ug/l	40		370	
	Nickel	1		ug/l	50		ND	
	Potassium	1		ug/l	5000		ND	
	Silver	1		ug/l	20		ND	
	Sodium	1		ug/l	5000		10000	
	Vanadium	1		ug/l	50		ND	
_	Zinc	1		ug/l	50		ND	
<u> </u>	TAL Metals 6020							
_	Analyte	D	F	Units	RL		Result	
	Antimony	1	1	ug/l	3.0		ND	
	Arsenic	1		ug/l	2.0		ND	
	Beryllium	1	1	ug/l	1.0		ND	
	Cadmium	1		ug/l	2.0		ND	
	Cobalt	1		ug/l	2.0		ND	
	Lead	1	1	ug/l	3.0		ND	
	Selenium Thallium	1		ug/l	10 2.0		ND ND	
- \	/olatile Organics (no search) 8260	1		ug/l	2.0		חאו	
_	Analyte	D	F	Units	RL		Result	
	——————————————————————————————————————	1						
	1,1,1-Trichloroethane			ug/l	1.0		ND	
	1,1,2,2-Tetrachloroethane	1		ug/l	1.0		ND	
	1,1,2-Trichloro-1,2,2-trifluoroethane	1		ug/l	1.0		ND	
	1,1,2-Trichloroethane	1		ug/l	1.0		ND ND	
	1,1-Dichloroethane 1,1-Dichloroethene			ug/l	1.0 1.0		ND ND	
	I, I-DICHIOIOEUIENE	1	'	ug/l				
		4		ua/l	1 ()			
	1,2,3-Trichlorobenzene	1		ug/l	1.0		ND ND	
	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	1	ı	ug/l	1.0		ND	
	1,2,3-Trichlorobenzene							

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	Aqueous			Red	eipt Date:	7/11/2017	
wati ix.	1,2-Dichloroethane	1	ug/l	0.50		ND	
	1,2-Dichloropropane	1	ug/l	1.0		ND	
	1,3-Dichlorobenzene	1	ug/l	1.0		ND	
	1,4-Dichlorobenzene	1	ug/l	1.0		ND	
	1,4-Dioxane	<u>'</u> 1	ug/l	50		ND	
	2-Butanone	1	ug/l	1.0		ND	
	2-Hexanone	1	ug/l	1.0		ND	
	4-Methyl-2-pentanone	1	ug/l	1.0		ND	
	Acetone	<u>'</u> 1	ug/l	5.0		ND	
	Benzene	1	ug/l	0.50		ND	
	Bromochloromethane	1		1.0		ND	
	Bromodichloromethane	1	ug/l ug/l	1.0		ND	
	Bromoform	1				ND	
	Bromotorm Bromomethane	1	ug/l	1.0 1.0		ND ND	
	Carbon disulfide	1	ug/l	1.0		ND	
			ug/l				
	Carbon tetrachloride	1	ug/l	1.0		ND	
	Chlorobenzene		ug/l	1.0		ND	
	Chloroethane	1	ug/l	1.0		ND	
	Chloroform	1	ug/l	1.0		ND	
	Chloromethane	1	ug/l	1.0		ND	
	cis-1,2-Dichloroethene	1	ug/l	1.0		ND	
	cis-1,3-Dichloropropene	1	ug/l	1.0		ND	
	Cyclohexane	1	ug/l	1.0		ND	
	Dibromochloromethane	1	ug/l	1.0		ND	
	Dichlorodifluoromethane	1	ug/l	1.0		ND	
	Ethylbenzene	1	ug/l	1.0		ND	
	Isopropylbenzene	1	ug/l	1.0		ND	
	m&p-Xylenes	1	ug/l	1.0		ND	
	Methyl Acetate	1	ug/l	1.0		ND	
	Methylcyclohexane	1	ug/l	1.0		ND	
	Methylene chloride	1	ug/l	1.0		ND	
	Methyl-t-butyl ether	1	ug/l	0.50		ND	
	o-Xylene	1	ug/l	1.0		ND	
	Styrene	1	ug/l	1.0		ND	
	Tetrachloroethene	1	ug/l	1.0		ND	
	Toluene	1	ug/l	1.0		ND	
	trans-1,2-Dichloroethene	1	ug/l	1.0		ND	
	trans-1,3-Dichloropropene	1	ug/l	1.0		ND	
	Trichloroethene	1	ug/l	1.0		ND	
	Trichlorofluoromethane	1	ug/l	1.0		ND	
	Vinyl chloride	1	ug/l	1.0		ND	
	Xylenes (Total)	1	ug/l	1.0		ND	
	Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
	Toluene-d8	28.78	30	79	111	96	
	Dibromofluoromethane	36.21	30	73	131	121	
	Bromofluorobenzene	29.50	30	82	112	98	
	1,2-Dichloroethane-d4	34.48	30	78	128	115	

Sample ID: SD-2-201707 Collection Date: 7/11/2017
Lab#: AC98905-012 Receipt Date: 7/11/2017

Matrix: Sediment/Encore

A malusta	P.E.	l lm!4-	DI.	D l4
Analyte	DF	Units	RL	Result
% Solids	1	percent		12
nloride (Soil) 9056A				
Analyte	DF	Units	RL	Result
Chloride	1	mg/kg	170	ND
ranide (Soil/Waste) 9012B				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	2.0	ND
ercury (Soil/Waste) 7471B				
Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.69	ND
mivolatile Organics (no search) 8270				
	55	11-14-	D.	D 14
Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.28	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.28	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.28	ND
2,4,5-Trichlorophenol	1	mg/kg	0.28	ND
2,4,6-Trichlorophenol 2,4-Dichlorophenol	1 1	mg/kg	0.28 0.069	ND ND
2,4-Dimethylphenol	1	mg/kg mg/kg	0.069	ND ND
2,4-Dinitrophenol	1	mg/kg	1.4	ND ND
2,4-Dinitroflienoi	1	mg/kg	0.28	ND
2,6-Dinitrotoluene	1	mg/kg	0.28	ND
2-Chloronaphthalene	1	mg/kg	0.28	ND
2-Chlorophenol	1	mg/kg	0.28	ND
2-Methylnaphthalene	1	mg/kg	0.28	ND
2-Methylphenol	1	mg/kg	0.069	ND
2-Nitroaniline	1	mg/kg	0.28	ND
2-Nitrophenol	1	mg/kg	0.28	ND
3&4-Methylphenol	1	mg/kg	0.069	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.28	ND
3-Nitroaniline	1	mg/kg	0.28	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	1.4	ND
4-Bromophenyl-phenylether	1	mg/kg	0.28	ND
4-Chloro-3-methylphenol	1	mg/kg	0.28	ND
4-Chlorophopyl phopylathor	1	mg/kg	0.069	ND ND
4-Chlorophenyl-phenylether 4-Nitroaniline	1 1	mg/kg mg/kg	0.28	ND ND
4-Nitrophenol	1	mg/kg	0.28	ND
Acenaphthene	1	mg/kg	0.28	ND
Acenaphthylene	1	mg/kg	0.28	ND
Acetophenone	 1	mg/kg	0.28	ND
Anthracene	1	mg/kg	0.28	ND
Atrazine	1	mg/kg	0.28	ND
Benzaldehyde	1	mg/kg	0.28	ND
Benzo[a]anthracene	1	mg/kg	0.28	ND
Benzo[a]pyrene	1	mg/kg	0.28	ND
Benzo[b]fluoranthene	1	mg/kg	0.28	0.41
Benzo[g,h,i]perylene	1	mg/kg	0.28	ND
Benzo[k]fluoranthene	1	mg/kg	0.28	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.28	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.069	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.28	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.28	ND ND
Butylbenzylphthalate Caprolactam	1 1	mg/kg mg/kg	0.28 0.28	ND ND
Carbazole	1	mg/kg	0.28	ND ND
Chrysene	1	mg/kg	0.28	0.30
Dibenzo[a,h]anthracene	1	mg/kg	0.28	ND
Dibenzofuran	1	mg/kg	0.069	ND
Diethylphthalate	1	mg/kg	0.28	ND

NOTE: Soil Results are reported to Dry Weight

ipie iu:	SD-2-201707				Collec	tion Date:	7/11/2017	
-	AC98905-012				Red	eipt Date:	7/11/2017	
Matrix:	Sediment/Encore						.,,_	
	Dimethylphthalate	1		mg/kg	0.28		ND	
	Di-n-butylphthalate	1		mg/kg	0.069		ND	
	Di-n-octylphthalate	. 1		mg/kg	0.28		ND	
	Fluoranthene	1		mg/kg	0.28		0.41	
	Fluorene	1		mg/kg	0.28		ND	
	Hexachlorobenzene	1		mg/kg	0.28		ND	
	Hexachlorobutadiene	1		mg/kg	0.28		ND	
	Hexachlorocyclopentadiene	1		mg/kg	0.65		ND	
	Hexachloroethane	1		mg/kg	0.28		ND	
	Indeno[1,2,3-cd]pyrene	1		mg/kg	0.28		ND	
	Isophorone	1		mg/kg	0.28		ND	
	Naphthalene	1		mg/kg	0.069		ND	
	Nitrobenzene	1		mg/kg	0.28		ND	
	N-Nitroso-di-n-propylamine	1		mg/kg	0.069		ND	
	N-Nitrosodiphenylamine	1		mg/kg	0.28		ND	
	Pentachlorophenol	1		mg/kg	1.4		ND	
	Phenanthrene	1		mg/kg	0.28		ND	
	Phenol	1		mg/kg	0.28		ND	
	Pyrene	1		mg/kg	0.28		0.49	
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	37.19	50		58	148	74	
	Phenol-d5	107.22	100		49	129	107	
	Nitrobenzene-d5	36.67	50 100		52	129	73	
	2-Fluorophenol 2-Fluorobiphenyl	89.59 33.43	100 50		43 58	128 125	90 67	
	2,4,6-Tribromophenol	82.34	100		54	145	82	
	FAL Metals 6010							
_	Analyte)F	Units	RL		Result	
	-							
	Aluminum	1		mg/kg	1700		20000	
	Barium	1		mg/kg	83		1100	
	Calcium	1		mg/kg	8300		26000	
	Chromium Cobalt	<u>1</u>		mg/kg	42 21		53 23	
	Copper	1		mg/kg mg/kg	42		80	
	Iron	1		mg/kg	1700		110000	
	Lead	1		mg/kg	42		100	
	Magnesium	1		mg/kg	4200		10000	
	Manganese	2		mg/kg	170		52000	
	Nickel	1		mg/kg	42		45	
	Potassium	1		mg/kg	4200		ND	
	Sodium	1		mg/kg	2100		ND	
	Vanadium	1		mg/kg	83		ND	
	Zinc	1		mg/kg	83		520	
T	TAL Metals 6020							
_	Analyte	D	F	Units	RL		Result	
	Antimony	1		mg/kg	6.7		ND	
	Arsenic	1		mg/kg	1.7		16	
	Beryllium	2		mg/kg	3.3		ND	
				mg/kg	3.3		ND	
	Cadmium	1					ND	
	Cadmium Selenium	1		mg/kg	17		ND	
				mg/kg mg/kg	17 1.7		ND ND	
_	Selenium	1						
	Selenium Silver	1 1 1		mg/kg	1.7		ND	
<u>v</u>	Selenium Silver Thallium /olatile Organics (no search) 8260 Analyte	1 1 1	DF	mg/kg mg/kg	1.7 3.3 RL		ND ND Result	
<u>v</u>	Selenium Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane	1 1 1 1 E	DF .77	mg/kg mg/kg Units mg/kg	1.7 3.3 RL 0.030		ND ND Result	
<u>v</u>	Selenium Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	1 1 1 1 E 1.	DF .77	mg/kg mg/kg Units mg/kg mg/kg	1.7 3.3 RL 0.030 0.030		ND ND Result	
<u>v</u>	Selenium Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane	1 1 1 1 E 1. 1.	DF .77 .77	mg/kg mg/kg Units mg/kg mg/kg mg/kg	1.7 3.3 RL 0.030 0.030 0.030		ND ND Result ND ND ND	
<u>v</u>	Selenium Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane	1 1 1 1 1. 1.	DF .77 .77 .77	mg/kg mg/kg Units mg/kg mg/kg mg/kg mg/kg	1.7 3.3 RL 0.030 0.030 0.030 0.030		Result ND ND ND ND ND ND ND	
<u>v</u>	Selenium Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane	1 1 1 1 1 1. 1.	DF .77 .77 .77 .77	mg/kg mg/kg Units mg/kg mg/kg mg/kg mg/kg	1.7 3.3 RL 0.030 0.030 0.030 0.030 0.030		Result ND ND ND ND ND ND ND ND ND	
<u>,</u>	Selenium Silver Thallium /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene	1 1 1 1 1 1. 1.	DF .77 .77 .77 .77 .77	mg/kg mg/kg Units mg/kg mg/kg mg/kg mg/kg mg/kg	1.7 3.3 RL 0.030 0.030 0.030 0.030 0.030 0.030		Result ND ND ND ND ND ND ND ND ND N	
<u>,</u>	Selenium Silver Thallium //olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene	1 1 1 1 1 1. 1. 1.	DF .77 .77 .77 .77 .77 .77	mg/kg mg/kg Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	1.7 3.3 RL 0.030 0.030 0.030 0.030 0.030 0.030 0.030		ND ND Result ND	
<u>.</u>	Selenium Silver Thallium //olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	1 1 1 1 1 1 1 1 1 1 1	DF .77 .77 .77 .77 .77 .77 .77	mg/kg mg/kg Wnits mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	1.7 3.3 RL 0.030 0.030 0.030 0.030 0.030 0.030 0.030 0.030		ND ND Result ND	
<u>.</u>	Selenium Silver Thallium //olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene	1 1 1 1 1 1 1 1 1 1 1 1 1	DF .77 .77 .77 .77 .77 .77	mg/kg mg/kg Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	1.7 3.3 RL 0.030 0.030 0.030 0.030 0.030 0.030 0.030		ND ND Result ND	

Sample ID:	SD-2-201707				Collec	tion Date:	7/11/2017	
Lab#:	AC98905-012				Red	eipt Date:	7/11/2017	
Matrix:	Sediment/Encore					-		
	1,2-Dichloroethane		1.77	mg/kg	0.030		ND	
	1,2-Dichloropropane		1.77	mg/kg	0.030		ND	
	1,3-Dichlorobenzene		1.77	mg/kg	0.030		ND	
	1,4-Dichlorobenzene		1.77	mg/kg	0.030		ND	
	1,4-Dioxane		1.77	mg/kg	1.5		ND	
	2-Butanone		1.77	mg/kg	0.030		ND	
	2-Hexanone		1.77	mg/kg	0.030		ND	
	4-Methyl-2-pentanone		1.77	mg/kg	0.030		ND	
	Acetone		1.77	mg/kg	0.15		ND	
	Benzene		1.77	mg/kg	0.015		ND	
	Bromochloromethane		1.77	mg/kg	0.030		ND	
	Bromodichloromethane		1.77	mg/kg	0.030		ND	
	Bromoform		1.77	mg/kg	0.030		ND	
	Bromomethane		1.77	mg/kg	0.030		ND	
	Carbon disulfide		1.77	mg/kg	0.030		ND	
	Carbon tetrachloride		1.77	mg/kg	0.030		ND	
	Chlorobenzene		1.77	mg/kg	0.030		ND	
	Chloroethane		1.77	mg/kg	0.030		ND	
	Chloroform		1.77	mg/kg	0.030		ND	
	Chloromethane		1.77	mg/kg	0.030		ND	
	cis-1,2-Dichloroethene		1.77	mg/kg	0.030		ND	
	cis-1,3-Dichloropropene		1.77	mg/kg	0.030		ND	
	Cyclohexane		1.77	mg/kg	0.030		ND	
	Dibromochloromethane		1.77	mg/kg	0.030		ND	
	Dichlorodifluoromethane		1.77	mg/kg	0.030		ND	
	Ethylbenzene		1.77	mg/kg	0.015		ND	
	Isopropylbenzene		1.77	mg/kg	0.015		ND	
	m&p-Xylenes		1.77	mg/kg	0.015		ND	
	Methyl Acetate		1.77	mg/kg	0.030		ND	
	Methylcyclohexane		1.77	mg/kg	0.030		ND	
	Methylene chloride		1.77	mg/kg	0.030		ND	
	Methyl-t-butyl ether		1.77	mg/kg	0.015		ND	
	o-Xylene		1.77	mg/kg	0.015		ND	
	Styrene		1.77	mg/kg	0.030		ND	
	Tetrachloroethene		1.77	mg/kg	0.030		ND	
	Toluene		1.77	mg/kg	0.015		ND	
	trans-1,2-Dichloroethene		1.77	mg/kg	0.030		ND	
	trans-1,3-Dichloropropene		1.77	mg/kg	0.030		ND	
	Trichloroethene		1.77	mg/kg	0.030		ND	
	Trichlorofluoromethane		1.77	mg/kg	0.030		ND	
	Vinyl chloride		1.77	mg/kg	0.030		ND	
	Xylenes (Total)		1.77	mg/kg	0.015		ND	
	Surrogate	Conc.	Spik		Low Limit	High Limit	Recovery	Flags
	Toluene-d8	28.95	30		68	122	96	
	Dibromofluoromethane	31.02	30		63	140	103	
	Bromofluorobenzene	32.62	30		64	129	109	
	1,2-Dichloroethane-d4	35.50	30		63	143	118	

Sample ID: SW-1-201707 U Collection Date: 7/11/2017

Lab#: AC98905-013 Receipt Date: 7/11/2017

Matrix: Aqueous

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	5.4
anide (Water) 9012		-		
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
	ı.	IIIg/I	0.020	ND
dness 200.7				
Analyte	DF	Units	RL	Result
Hardness	1	mg caco3/I	6.6	120
rcury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
nivolatile Organics (no search) 8270				
Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.84	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND ND
2,4-Dinitrophenol 2,4-Dinitrotoluene	1	ug/l	2.1	ND ND
2,4-Dinitrotoluene 2,6-Dinitrotoluene	1	ug/l ug/l	2.1	ND ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND ND
3-Nitroaniline 4,6-Dinitro-2-methylphenol	1 1	ug/l ug/l	2.1 11	ND ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acetophenone	1 1	ug/l	2.1	ND ND
Acetopnenone Anthracene	1	ug/l ug/l	2.1 2.1	ND ND
Atrazine	1	ug/l	2.1	ND ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND ND
bis(2-Chloroisopropyl)ether bis(2-Ethylhexyl)phthalate	1	ug/l ug/l	2.1	ND ND
Butylbenzylphthalate	1	ug/l ug/l	2.1	ND ND
Caprolactam	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND

nple ID:	SW-1-201707 U				Collec	tion Date:	7/11/2017	
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Matrix:	Aqueous						.,,	
	Dimethylphthalate	1	U	ıg/l	2.1		ND	
	Di-n-butylphthalate	1		ıg/l	0.53		ND	
	Di-n-octylphthalate	1	U	ıg/l	2.1		ND	
	Fluoranthene	1	U	ıg/l	2.1		ND	
	Fluorene	1		ıg/l	2.1		ND	
	Hexachlorobenzene	1	U	ıg/l	2.1		ND	
	Hexachlorobutadiene	1	U	ıg/l	2.1		ND	
	Hexachlorocyclopentadiene	1	U	ıg/l	2.1		ND	
	Hexachloroethane	1	U	ıg/l	2.1		ND	
	Indeno[1,2,3-cd]pyrene	1	u	ıg/l	2.1		ND	
	Isophorone	1	U	ıg/l	2.1		ND	
	Naphthalene	1	U	ıg/l	0.53		ND	
	Nitrobenzene	1	U	ıg/l	2.1		ND	
	N-Nitroso-di-n-propylamine	1	U	ıg/l	0.53		ND	
	N-Nitrosodiphenylamine	1		ıg/l	2.1		ND	
	Pentachlorophenol	1		ıg/l	11		ND	
	Phenanthrene	1		ıg/l	2.1		ND	
	Phenol	1		ıg/l	2.1		ND	
	Pyrene	1		ıg/l	2.1		ND	
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	49.14	50		55	146	98	
	Phenol-d5	29.29	100		27	115	29	
	Nitrobenzene-d5	46.89	50 100		51	139	94 42	
	2-Fluorophenol 2-Fluorobiphenyl	42.23 44.58	100 50		29 53	113 129	42 89	
	2,4,6-Tribromophenol	44.56 85.47	100		53 54	149	85	
т	FAL Metals 6010							
_	Analyte	D	F I	Jnits	RL		Result	
	Aluminum	1		ıg/l	200		ND	
	Barium	1		ıg/l	50		ND	
	Calcium	1		ıg/l	5000		39000	
	Chromium	1		ıg/l	50		ND	
	Copper	1		ıg/l	50		ND	
	Iron	1		ıg/l	300		1400	
	Magnesium	1		ıg/l	5000		11000	
	Manganese	1		ıg/l	40 50		1300 ND	
	Nickel	1		ıg/l			ND ND	
	Potassium	1		ıg/l	5000			
	Silver	1		ıg/l	20		ND 0000	
	Sodium Vanadium	1		ıg/l	5000 50		9000 ND	
	vanadium Zinc	1		ıg/l ıg/l	50 50		ND ND	
T	ΓAL Metals 6020							
_	Analyte	D	F l	Jnits	RL		Result	
	Antimony	1		ıg/l	3.0		ND	
	Arsenic	1		ıg/l	2.0		ND	
	Beryllium	1		ıg/l	1.0		ND	
	Cadmium	1		ıg/l	2.0		ND	
	Cobalt	1		ıg/l	2.0		ND	
	Lead	1		ıg/l	3.0		ND	
	Selenium	1		ıg/l	10		ND	
_	Thallium	1	U	ıg/l	2.0		ND	
٧	/olatile Organics (no search) 8260							
_	Analyte	D		Jnits	RL		Result	
_	1,1,1-Trichloroethane	1	U	ıg/l	1.0		ND	
_			u	ıg/l	1.0		ND	
_	1,1,2,2-Tetrachloroethane	1			1.0		ND	
_	1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane	1	U	ıg/l				
<u>-</u>	1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane	1	u	ıg/l	1.0		ND	
<u>-</u>	1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane	1 1 1	u u	ıg/l ıg/l	1.0		ND ND	
-	1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene	1 1 1 1	U U U	ıg/l ıg/l ıg/l	1.0 1.0 1.0		ND ND ND	
_	1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene	1 1 1 1 1	u u u u	ig/l ig/l ig/l ig/l	1.0 1.0 1.0 1.0		ND ND ND ND	
_	1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	1 1 1 1 1	u u u u	ıg/l ıg/l ıg/l ıg/l ıg/l	1.0 1.0 1.0 1.0		ND ND ND ND	
_	1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene 1,2,3-Trichlorobenzene	1 1 1 1 1		ig/l ig/l ig/l ig/l	1.0 1.0 1.0 1.0		ND ND ND ND	

=	SW-1-201707 U					tion Date:		
	AC98905-013				Red	eipt Date:	7/11/2017	
Matrix:	Aqueous							
	1,2-Dichloroethane	1		ug/l	0.50		ND	
	1,2-Dichloropropane	1		ug/l	1.0		ND	
	1,3-Dichlorobenzene	1		ug/l	1.0		ND	
	1,4-Dichlorobenzene	1		ug/l	1.0		ND	
	1,4-Dioxane	1		ug/l	50		ND	
	2-Butanone	1		ug/l	1.0		ND	
	2-Hexanone	1		ug/l	1.0		ND	
	4-Methyl-2-pentanone	1		ug/l	1.0		ND	
	Acetone	1		ug/l	5.0		ND	
	Benzene	1		ug/l	0.50		ND	
	Bromochloromethane	1		ug/l	1.0		ND	
	Bromodichloromethane	1		ug/l	1.0		ND	
	Bromoform	1		ug/l	1.0		ND	
	Bromomethane	1		ug/l	1.0		ND	
	Carbon disulfide	1		ug/l	1.0		ND	
	Carbon tetrachloride	1		ug/l	1.0		ND	
	Chlorobenzene	1		ug/l	1.0		ND	
	Chloroethane	1		ug/l	1.0		ND	
	Chloroform	1		ug/l	1.0		ND	
	Chloromethane	1		ug/l	1.0		ND	
	cis-1,2-Dichloroethene	1		ug/l	1.0		ND	
	cis-1,3-Dichloropropene	1		ug/l	1.0		ND	
	Cyclohexane	1		ug/l	1.0		ND	
	Dibromochloromethane	1		ug/l	1.0		ND	
	Dichlorodifluoromethane	1		ug/l	1.0		ND	
	Ethylbenzene	1		ug/l	1.0		ND	
	Isopropylbenzene	1		ug/l	1.0		ND	
	m&p-Xylenes	1		ug/l	1.0		ND	
	Methyl Acetate	1		ug/l	1.0		ND	
	Methylcyclohexane	1		ug/l	1.0		ND	
	Methylene chloride	1		ug/l	1.0		ND	
	Methyl-t-butyl ether	1		ug/l	0.50		ND	
	o-Xylene	<u> </u>		ug/l	1.0		ND	
	Styrene	. 1		ug/l	1.0		ND	
	Tetrachloroethene	1		ug/l	1.0		ND	
	Toluene	1		ug/l	1.0		ND	
	trans-1,2-Dichloroethene	1		ug/l	1.0		ND	
	trans-1,3-Dichloropropene	1		ug/l	1.0		ND	
	Trichloroethene	1		ug/l	1.0		ND	
	Trichlorofluoromethane	1		ug/l	1.0		ND	
	Vinyl chloride	1		ug/l	1.0		ND	
	Xylenes (Total)	1		ug/l	1.0		ND	
	Surrogate	Conc.	Spike	ug/i	Low Limit	High Limit	Recovery	Flags
	Toluene-d8	28.66	30		79	111	96	95
	Dibromofluoromethane	37.17	30		79	131	124	
	Bromofluorobenzene	30.33	30		82	112	101	
	1,2-Dichloroethane-d4	35.79	30		78	128	119	

Sample ID: SD-1-201707 Collection Date: 7/11/2017

Lab#: AC98905-015 Receipt Date: 7/11/2017

Matrix: Sediment/Encore % Solids SM2540G DF **Units** RL Analyte Result %Solids 1 percent 48 Chloride (Soil) 9056A Analyte DF **Units** RL Result 42 Chloride 1 mg/kg ND Cyanide (Soil/Waste) 9012B Analyte DF **Units** RL Result 1 0.50 ND Cyanide mg/kg Mercury (Soil/Waste) 7471B Analyte DF Units RL Result Mercury 1 ND mg/kg 0.17 Semivolatile Organics (no search) 8270 DF Units RL Analyte Result 1,1'-Biphenyl mg/kg 0.069 ND mg/kg 0.069 ND 1,2,4,5-Tetrachlorobenzene 0.069 ND 2,3,4,6-Tetrachlorophenol mg/kg 2,4,5-Trichlorophenol mg/kg 0.069 ND ND 2,4,6-Trichlorophenol 1 mg/kg 0.069 2,4-Dichlorophenol 0.017 ND 1 mg/kg 2,4-Dimethylphenol 0.017 ND mg/kg ND 2.4-Dinitrophenol 1 0.35 mg/kg 2,4-Dinitrotoluene 0.069 ND 1 mg/kg 2,6-Dinitrotoluene mg/kg 0.069 ND 2-Chloronaphthalene 1 mg/kg 0.069 ND 2-Chlorophenol 0.069 ND mg/kg 2-Methylnaphthalene 0.069 ND mg/kg 2-Methylphenol mg/kg 0.017 ND 2-Nitroaniline mg/kg 0.069 ND 2-Nitrophenol 0.069 ND mg/kg 3&4-Methylphenol 0.017 ND mg/kg 3,3'-Dichlorobenzidine mg/kg 0.069 ND ND 3-Nitroaniline 1 0.069 mg/kg 4,6-Dinitro-2-methylphenol mg/kg 0.35 ND 4-Bromophenyl-phenylether 0.069 ND mg/kg 4-Chloro-3-methylphenol ND 0.069 mg/kg 4-Chloroaniline mg/kg 0.017 ND 1 4-Chlorophenyl-phenylether 0.069 ND mg/kg ND 4-Nitroaniline mg/kg 0.069 4-Nitrophenol mg/kg 0.069 ND 1 Acenaphthene 0.069 ND mg/kg Acenaphthylene mg/kg 0.069 ND 0.069 ND Acetophenone 1 mg/kg Anthracene mg/kg 0.069 ND Atrazine 1 mg/kg 0.069 ND 0.069 ND Benzaldehvde mg/kg Benzo[a]anthracene 1 0.069 0.095 mg/kg Benzo[a]pyrene 1 mg/kg 0.069 0.12 Benzo[b]fluoranthene 1 mg/kg 0.069 0.19 Benzo[g,h,i]perylene 1 mg/kg 0.069 0.11 Benzo[k]fluoranthene 0.069 ND mg/kg bis(2-Chloroethoxy)methane 1 mg/kg 0.069 ND ND bis(2-Chloroethyl)ether 1 mg/kg 0.017 bis(2-Chloroisopropyl)ether 0.069 ND mg/kg bis(2-Ethylhexyl)phthalate 1 0.069 ND mg/kg Butylbenzylphthalate mg/kg 0.069 ND Caprolactam mg/kg 0.069 ND Carbazole 0.069 ND mg/kg Chrysene 1 mg/kg 0.069 0.13 Dibenzo[a,h]anthracene 1 mg/kg 0.069 ND ND Dibenzofuran 1 0.017 mg/kg

0.069

mg/kg

ND

Diethylphthalate

ample ID:	SD-1-201707				Collec	tion Date:	7/11/2017	
-	AC98905-015					eipt Date:		
	Sediment/Encore					o.p. 2 a.o.	.,,20	
	Dimethylphthalate	1		mg/kg	0.069		ND	
	Di-n-butylphthalate	1		mg/kg	0.017		ND	
	Di-n-octylphthalate	1		mg/kg	0.069		ND	
	Fluoranthene	1		mg/kg	0.069		0.17	
	Fluorene	1		mg/kg	0.069		ND	
	Hexachlorobenzene	1		mg/kg	0.069		ND	
	Hexachlorobutadiene	1		mg/kg	0.069		ND	
	Hexachlorocyclopentadiene	1		mg/kg	0.16		ND	
	Hexachloroethane	1		mg/kg	0.069		ND	
	Indeno[1,2,3-cd]pyrene	1		mg/kg	0.069		0.086	
	Isophorone	1		mg/kg	0.069		ND	
	Naphthalene	1		mg/kg	0.017		ND	
	Nitrobenzene	1		mg/kg	0.069		ND	
	N-Nitroso-di-n-propylamine	1		mg/kg	0.017		ND	
	N-Nitrosodiphenylamine	1		mg/kg	0.069		ND	
	Pentachlorophenol	1		mg/kg	0.35		ND	
	Phenal	1		mg/kg	0.069		ND	
	Phenol	1		mg/kg	0.069		ND 0.20	
	Pyrene	1 Cama	C11	mg/kg	0.069	المامال المامال	0.20	F1
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	52.58	50 100		58	148	105	
	Phenol-d5 Nitrobenzene-d5	75.55 38.38	100 50		49 52	129 129	76 77	
	Nitrobenzene-ab 2-Fluorophenol	38.38 73.03	50 100		52 43	129 128	77 73	
	2-Fluorobiphenyl	41.73	50		58	125	83	
	2,4,6-Tribromophenol	101.58	100		54	145	102	
1	FAL Metals 6010							
_	Analyte	D	F	Units	RL		Result	
	Aluminum	1		mg/kg	420		28000	
	Barium	1		mg/kg	21		330	
	Calcium	1		mg/kg	2100		8100	
	Chromium	1		mg/kg	10		68	
	Cobalt	1		mg/kg	5.2		24	
	Copper	1		mg/kg	10		54	
	Iron	1		mg/kg	420		78000	
	Lead	1		mg/kg	10		52	
	Magnesium	1		mg/kg	1000		9600	
	Manganese	1		mg/kg	21		5800	
	Nickel	1		mg/kg	10		47	
	Potassium	1		mg/kg	1000		5400	
	Sodium	1		mg/kg	520		ND	
	Vanadium	1		mg/kg	21		99	
_	Zinc	1		mg/kg	21		180	
T -	TAL Metals 6020							
	Analyte		F	Units	RL		Result	
	Antimony	1		mg/kg	1.7		ND	
	Arsenic	1		mg/kg	0.42		6.2	
	Beryllium	1		mg/kg	0.42		0.50	
	Cadmium	1		mg/kg	0.83		ND	
	Selenium Silver	1		mg/kg	4.2 0.42		ND ND	
	Silver Thallium	1		mg/kg mg/kg	0.42		ND ND	
	/olatile Organics (no search) 8260							
_	Analyte	D	F	Units	RL		Result	
	1,1,1-Trichloroethane		975	mg/kg	0.0041		ND	
	1,1,2,2-Tetrachloroethane		975 975	mg/kg	0.0041		ND	
	1,1,2-Trichloro-1,2,2-trifluoroethane		975 975	mg/kg	0.0041		ND	
	1,1,2-Trichloroethane		975 975	mg/kg	0.0041		ND	
	1,1-Dichloroethane		975	mg/kg	0.0041		ND	
	1,1-Dichloroethene		975	mg/kg	0.0041		ND	
	1,2,3-Trichlorobenzene		975	mg/kg	0.0041		ND	
	1,2,4-Trichlorobenzene	0.	975	mg/kg	0.0041		ND	
	1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane		975 975	mg/kg mg/kg	0.0041		ND ND	
		0.						

=	SD-1-201707 AC98905-015						7/11/2017 7/11/2017	
	Sediment/Encore				Nec	cipi Date.	771172017	
	1,2-Dichloroethane		0.975	mg/kg	0.0041		ND	
	1,2-Dichloropropane		0.975	mg/kg	0.0041		ND	
	1,3-Dichlorobenzene		0.975	mg/kg	0.0041		ND	
	1,4-Dichlorobenzene		0.975	mg/kg	0.0041		ND	
	1,4-Dioxane		0.975	mg/kg	0.20		ND	
	2-Butanone		0.975	mg/kg	0.0041		ND	
	2-Hexanone		0.975	mg/kg	0.0041		ND	
	4-Methyl-2-pentanone		0.975	mg/kg	0.0041		ND	
	Acetone		0.975	mg/kg	0.020		ND	
	Benzene		0.975	mg/kg	0.0020		ND	
	Bromochloromethane		0.975	mg/kg	0.0041		ND	
	Bromodichloromethane		0.975	mg/kg	0.0041		ND	
	Bromoform		0.975	mg/kg	0.0041		ND	
	Bromomethane		0.975	mg/kg	0.0041		ND	
	Carbon disulfide		0.975	mg/kg	0.0041		ND	
	Carbon tetrachloride		0.975	mg/kg	0.0041		ND	
	Chlorobenzene		0.975	mg/kg	0.0041		ND	
	Chloroethane		0.975	mg/kg	0.0041		ND	
	Chloroform		0.975	mg/kg	0.0041		ND	
	Chloromethane		0.975	mg/kg	0.0041		ND	
	cis-1,2-Dichloroethene		0.975	mg/kg	0.0041		ND	
	cis-1,3-Dichloropropene		0.975	mg/kg	0.0041		ND	
	Cyclohexane		0.975	mg/kg	0.0041		ND	
	Dibromochloromethane		0.975	mg/kg	0.0041		ND	
	Dichlorodifluoromethane		0.975	mg/kg	0.0041		ND	
	Ethylbenzene		0.975	mg/kg	0.0020		ND	
	Isopropylbenzene		0.975	mg/kg	0.0020		ND	
	m&p-Xylenes		0.975	mg/kg	0.0020		ND	
	Methyl Acetate		0.975	mg/kg	0.0041		ND	
	Methylcyclohexane		0.975	mg/kg	0.0041		ND	
	Methylene chloride		0.975	mg/kg	0.0041		ND	
	Methyl-t-butyl ether		0.975	mg/kg	0.0020		ND	
	o-Xylene		0.975	mg/kg	0.0020		ND	
	Styrene		0.975	mg/kg	0.0041		ND	
	Tetrachloroethene		0.975	mg/kg	0.0041		ND	
	Toluene		0.975	mg/kg	0.0020		ND	
	trans-1,2-Dichloroethene		0.975	mg/kg	0.0041		ND	
	trans-1,3-Dichloropropene		0.975	mg/kg	0.0041		ND	
	Trichloroethene		0.975	mg/kg	0.0041		ND	
	Trichlorofluoromethane		0.975	mg/kg	0.0041		ND	
	Vinyl chloride		0.975	mg/kg	0.0041		ND	
	Xylenes (Total)		0.975	mg/kg	0.0020		ND	
	Surrogate	Conc.	Spike		Low Limit	High Limit		Flags
	Toluene-d8	26.47	30		68	122	88	
	Dibromofluoromethane	31.56	30		63	140	105	
	Bromofluorobenzene	30.32	30		64	129	101	
	1,2-Dichloroethane-d4	30.39	30		63	143	101	

 Sample ID: TB-1-201707
 Collection Date: 7/11/2017

 Lab#: AC98905-016
 Receipt Date: 7/11/2017

 Matrix: Aqueous
 Receipt Date: 7/11/2017

Volatile Organics (no search) 8260

Analyte	DI	F	Units	RL		Result	
1,1,1-Trichloroethane	1		ug/l	1.0		ND	
1,1,2,2-Tetrachloroethane	1		ug/l	1.0		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	1		ug/l	1.0		ND	
1,1,2-Trichloroethane	1		ug/l	1.0		ND	
1,1-Dichloroethane	1		ug/l	1.0		ND	
1,1-Dichloroethene	1		ug/l	1.0		ND	
1,1-Dictionoetherie 1,2,3-Trichlorobenzene	1		-	1.0		ND	
			ug/l				
1,2,4-Trichlorobenzene	1		ug/l	1.0		ND	
1,2-Dibromo-3-chloropropane	1		ug/l	1.0		ND	
1,2-Dibromoethane	1		ug/l	1.0		ND	
1,2-Dichlorobenzene	1		ug/l	1.0		ND	
1,2-Dichloroethane	1		ug/l	0.50		ND	
1,2-Dichloropropane	1		ug/l	1.0		ND	
1,3-Dichlorobenzene	1		ug/l	1.0		ND	
1,4-Dichlorobenzene	1		ug/l	1.0		ND	
1,4-Dioxane	1		ug/l	50		ND	
2-Butanone	1		ug/l	1.0		ND	
2-Hexanone	1		ug/l	1.0		ND	
4-Methyl-2-pentanone	1		ug/l	1.0		ND	
Acetone	1		ug/l	5.0		ND	
Benzene	1		ug/l	0.50		ND	
Bromochloromethane	1		ug/l	1.0		ND	
Bromodichloromethane	1		ug/l	1.0		ND	
Bromoform	1		ug/l	1.0		ND	
Bromomethane	1			1.0		ND	
Carbon disulfide	1		ug/l	1.0		ND	
			ug/l				
Carbon tetrachloride	1		ug/l	1.0		ND	
Chlorobenzene	1		ug/l	1.0		ND	
Chloroethane	1		ug/l	1.0		ND	
Chloroform	1		ug/l	1.0		ND	
Chloromethane	1		ug/l	1.0		ND	
cis-1,2-Dichloroethene	1		ug/l	1.0		ND	
cis-1,3-Dichloropropene	1		ug/l	1.0		ND	
Cyclohexane	1		ug/l	1.0		ND	
Dibromochloromethane	1		ug/l	1.0		ND	
Dichlorodifluoromethane	1		ug/l	1.0		ND	
Ethylbenzene	1		ug/l	1.0		ND	
Isopropylbenzene	1		ug/l	1.0		ND	
m&p-Xylenes	1		ug/l	1.0		ND	
Methyl Acetate	1		ug/l	1.0		ND	
Methylcyclohexane	<u>.</u> 1		ug/l	1.0		ND	
Methylene chloride	1		ug/l	1.0		ND	
Methyl-t-butyl ether	1		ug/l	0.50		ND	
o-Xylene	1		ug/I ug/I	1.0		ND	
•	1		•				
Styrene			ug/l	1.0		ND	
Tetrachloroethene	1		ug/l	1.0		ND	
Toluene	1		ug/l	1.0		ND	
trans-1,2-Dichloroethene	1		ug/l	1.0		ND	
trans-1,3-Dichloropropene	1		ug/l	1.0		ND	
Trichloroethene	1		ug/l	1.0		ND	
Trichlorofluoromethane	1		ug/l	1.0		ND	
Vinyl chloride	1		ug/l	1.0		ND	
Xylenes (Total)	1		ug/l	1.0		ND	
Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.17	30		79	111	97	
Dibromofluoromethane	36.25	30		73	131	121	
Bromofluorobenzene	30.05	30		82	112	100	

 Sample ID:
 MW-11-201707 U
 Collection Date:
 7/11/2017

 Lab#:
 AC98905-017
 Receipt Date:
 7/11/2017

 Matrix:
 Aqueous

Analyte		DF	Units	RL		Result	
Alkalinity		1	mg caco3/l	10		280	
calinity-Carbonate (SM2320B-97)							
Analyte		DF	Units	RL		Result	
Alkalinity		1	mg caco3/l	10		ND	
calinity-Total (SM2320B-97)							
Analyte		DF	Units	RL		Result	
Alkalinity		1	mg caco3/l	10		280	
EX & Extra Compunds (8260)							
Analyte		DF	Units	RL		Result	
Benzene		1	ug/l	0.50		ND	
Ethylbenzene		1	ug/l	1.0		ND	
m&p-Xylenes		1	ug/l	1.0		ND	
Methyl-t-butyl ether		1	ug/l	0.50		ND	
o-Xylene		1	ug/l	1.0		ND	
Toluene		1	ug/l	1.0		ND	
Xylenes (Total)		1	ug/l	1.0		ND	
Surrogate	Conc.	Spike)	Low Limit	High Limit	Recovery	Flags
Toluene-d8	29.06	30		79	111	97	
Dibromofluoromethane	35.51	30		73	131	118	
Bromofluorobenzene	29.43	30		82	112	98	
1,2-Dichloroethane-d4	35.19	30		78	128	117	
rate-N (Water) 300.0							
Analyte		DF	Units	RL		Result	
Nitrate		1	mg/l	1.0		ND	
Ifate (Water) 300.0							
Analyte		DF	Units	RL		Result	
Sulfate		1	mg/l	2.0		8.5	

Sample ID: MW-11-201707 F Lab#: AC98905-018 Matrix: Aqueous

Collection Date: 7/11/2017

Receipt Date: 7/11/2017

Metals Pair 6010

Analyte	DF	Units	RL	Result
Iron	1	ug/I	300	370
Manganese	1	ug/l	40	680

NOTE: Soil Results are reported to Dry Weight Project #: 7071123 Page 33 of 36 Sample ID: SW-FD-201707 U C
Lab#: AC98905-019
Matrix: Aqueous

Collection Date: 7/11/2017 Receipt Date: 7/11/2017

hloride (Water) 300.0				
Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	6.9
yanide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
ardness 200.7				
Analyte	DF	Units	RL	Result
Hardness (Martin) 7470 A	1	mg caco3/I	6.6	120
ercury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
emivolatile Organics (no search) 8270				
Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.0	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.0	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.0	ND ND
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	1	ug/l ug/l	2.0	ND ND
2,4-Dichlorophenol	1	ug/l	0.80	ND
2,4-Dimethylphenol	1	ug/l	0.50	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine 3-Nitroaniline	1	ug/l	2.0	ND ND
4,6-Dinitro-2-methylphenol	1 1	ug/l ug/l	2.0 10	ND ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Acetophenone	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Atrazine	1	ug/l	2.0	ND
Benzaldehyde	1	ug/l	2.0	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene Benzo[g,h,i]perylene	1 1	ug/l	2.0 2.0	ND ND
Benzo[k]fluoranthene	1	ug/l ug/l	2.0	ND ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Caprolactam	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND

mple ID:	SW-FD-201707 U				Collec	tion Date:	7/11/2017	
-	AC98905-019					eipt Date:		
Matrix:	Aqueous						.,,	
	Dimethylphthalate	1		ug/l	2.0		ND	
	Di-n-butylphthalate	1		ug/l	0.50		ND	
	Di-n-octylphthalate	1		ug/l	2.0		ND	
	Fluoranthene	1		ug/l	2.0		ND	
	Fluorene	1		ug/l	2.0		ND	
	Hexachlorobenzene	1		ug/l	2.0		ND	
	Hexachlorobutadiene	1		ug/l	2.0		ND	
	Hexachlorocyclopentadiene	1		ug/l	2.0		ND	
	Hexachloroethane	1		ug/l	2.0		ND	
	Indeno[1,2,3-cd]pyrene	. 1		ug/l	2.0		ND	
	Isophorone	. 1		ug/l	2.0		ND	
	Naphthalene	1		ug/l	0.50		ND	
	Nitrobenzene	1		ug/l	2.0		ND	
	N-Nitroso-di-n-propylamine	1		ug/l	0.50		ND	
	N-Nitrosodiphenylamine	1			2.0		ND	
				ug/l				
	Pentachlorophenol	1 1		ug/l	10		ND	
	Phenanthrene			ug/l	2.0		ND	
	Phenol	1		ug/l	2.0		ND	
	Pyrene	1		ug/l	2.0		ND	
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	44.12	50		55	146	88	
	Phenol-d5	35.44	100		27	115	35	
	Nitrobenzene-d5	42.85	50		51	139	86	
	2-Fluorophenol	48.72	100		29	113	49	
	2-Fluorobiphenyl	43.22	50		53	129	86	
_	2,4,6-Tribromophenol	83.17	100		54	149	83	
T	TAL Metals 6010							
	Analyte	D	F	Units	RL		Result	
	Aluminum	1		ug/l	200		240	
	Barium	1		ug/l	50		ND	
	Calcium	1		ug/l	5000		36000	
	Chromium	1		ug/l	50		ND	
	Copper	1		ug/l	50		ND	
	Iron	1		ug/l	300		430	
	Magnesium	1		ug/l	5000		10000	
	Manganese	. 1		ug/l	40		240	
	Nickel	1		ug/l	50		ND ND	
	Potassium	. 1		ug/l	5000		ND	
		1						
	Silver	1		ug/l	20		ND	
	Sodium	1		ug/l	5000		10000	
	Vanadium Zinc	1		ug/l ug/l	50 50		ND ND	
	TAL Metals 6020	<u> </u>		<u>ug, .</u>			.,,,	
_	Analyte	D	F	Units	RL		Result	
	Antimony	1		ug/l	3.0		ND	
	Arsenic	1		ug/l	2.0		ND	
	Beryllium	1			1.0		ND	
	Cadmium	1		ug/l ug/l	2.0		ND ND	
		1						
	Cobalt			ug/l	2.0		ND	
	Lead	1		ug/l	3.0		ND	
	Selenium Thallium	1		ug/l ug/l	10 2.0		ND ND	
- V	/olatile Organics (no search) 8260	<u> </u>		3			<u> </u>	
=	Analyte	D)F	Units	RL		Result	
	1,1,1-Trichloroethane	1		ug/l	1.0		ND	
	1,1,2,2-Tetrachloroethane	1		ug/l	1.0		ND	
	1,1,2-Trichloro-1,2,2-trifluoroethane	1		ug/l	1.0		ND	
	1,1,2-Trichloroethane	1		ug/l	1.0		ND	
	1,1-Dichloroethane	1		ug/l	1.0		ND	
	1,1-Dichloroethene	1		ug/l	1.0		ND	
	1.2.2 Triphlarobonzono	1		ug/l	1.0		ND	
	1,2,3-Trichlorobenzene	·		-9				
	1,2,4-Trichlorobenzene	1		ug/l	1.0		ND	
							ND	
	1,2,4-Trichlorobenzene	1		ug/l	1.0			

=	SW-FD-201707 U AC98905-019				tion Date:		
	Aqueous			Red	eipt Date:	7/11/2017	
Matrix.	1,2-Dichloroethane	1	ua/l	0.50		ND	
	1,2-Dichloropropane	1	ug/l ug/l	1.0		ND	
	1,3-Dichlorobenzene	1	ug/l	1.0		ND	
	1,4-Dichlorobenzene	1	ug/l	1.0		ND	
	1,4-Dioxane	1	ug/l	50		ND	
	2-Butanone	1	ug/l	1.0		ND	
	2-Hexanone	1	ug/l	1.0		ND	
	4-Methyl-2-pentanone	1	ug/l	1.0		ND	
	Acetone	1	ug/l	5.0		ND	
	Benzene	1		0.50		ND	
		1	ug/l	1.0		ND	
	Bromochloromethane Bromodichloromethane	1	ug/l	1.0		ND	
			ug/l				
	Bromoform	1	ug/l	1.0		ND ND	
	Bromomethane	1	ug/l	1.0		ND ND	
	Carbon disulfide	1	ug/l	1.0		ND	
	Carbon tetrachloride	1	ug/l	1.0		ND	
	Chlorobenzene	1	ug/l	1.0		ND	
	Chloroethane	1	ug/l	1.0		ND	
	Chloroform	1	ug/l	1.0		ND	
	Chloromethane	1	ug/l	1.0		ND	
	cis-1,2-Dichloroethene	1	ug/l	1.0		ND	
	cis-1,3-Dichloropropene	1	ug/l	1.0		ND	
	Cyclohexane	1	ug/l	1.0		ND	
	Dibromochloromethane	1	ug/l	1.0		ND	
	Dichlorodifluoromethane	1	ug/l	1.0		ND	
	Ethylbenzene	1	ug/l	1.0		ND	
	Isopropylbenzene	1	ug/l	1.0		ND	
	m&p-Xylenes	1	ug/l	1.0		ND	
	Methyl Acetate	1	ug/l	1.0		ND	
	Methylcyclohexane	1	ug/l	1.0		ND	
	Methylene chloride	1	ug/l	1.0		ND	
	Methyl-t-butyl ether	1	ug/l	0.50		ND	
	o-Xylene	1	ug/l	1.0		ND	
	Styrene	1	ug/l	1.0		ND	
	Tetrachloroethene	1	ug/l	1.0		ND	
	Toluene	1	ug/l	1.0		ND	
	trans-1,2-Dichloroethene	1	ug/l	1.0		ND	
	trans-1,3-Dichloropropene	1	ug/l	1.0		ND	
	Trichloroethene	1	ug/l	1.0		ND	
	Trichlorofluoromethane	1	ug/l	1.0		ND	
	Vinyl chloride	1	ug/l	1.0		ND	
	Xylenes (Total)	1	ug/l	1.0		ND	
	Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
	Toluene-d8	28.33	30	79	111	94	
	Dibromofluoromethane	32.84	30	73	131	109	
	Bromofluorobenzene	28.60	30	82	112	95	
	1,2-Dichloroethane-d4	32.28	30	78	128	108	

r client [] FSP#	Internal use: sampling plan (check box) HC [] or client []	Internal use: sampli		•							
pleted your ana	No Lower Project (also check boxes aboveringin) No Lower Project (also check boxes aboveringin) No Lower Project (also check boxes aboveringin) No Lower Project (also check boxes) No Lower Project (also check boxes) A fee of \$5/5ample will be assessed for storage should sample not be activated for any analysis. A fee of \$5/5ample will be assessed for storage should sample not be activated for any analysis.	Please note I	2007	side las	Samples on si	Sample	R	Hamson Sub	Part Frail Han	Please By	Pleak
hous (rinks)	High Contaminant Concentrations	High Contai		7/11/17	Date:			Robinson	11) Sampler (print name): James Ro	ler (print name	11) Samp
	eific Describer Limite	Check if applicable:									
Other (specify):	SPLP (BN, BNA, Metals) 1,4 Dioxane	SPLP (BN, E						<u> </u>			
NJDEP SRS	VOC (8260C SIM or 8011)	VOC (8260C	15:50	7/11/17	- Annual Control of the Control of t		1	7	W	STATE OF THE PARTY	MA
For NJ LSRP projects, indicate which standards need to be met:	icate if low-level methods required to meet rent groundwater standards (SPLP for soil):	Indicate if low-level n current groundwater	14:30	7///		0	THE STATE OF THE S	The Colon	\/	X	Ŋ
al Requiremen	Comments, Notes, Special Requirements, HAZARDS		┷┩	Date		d by:	Accepted by:		y:	10) Relinquished by:	10) Relii
			ř		X			78	1-201707	OFTB-1-	0/6'
)	N W		×	X	×	X	7/// 12/5	<i>938</i>	SEA-50-1-201707	-	4
3 1	3 /	×	×	х		×	1/11 1210	رج از	-1-201707	3,	III
	l)		XX	XX		×	1/11 1115	2 O3S	10110G-G-	2- CAS AMP	4
3		×	×	XX	Χ×	×	7/11 1110	Sw 7	SW-2-201707	Ţ	
	2 3		XX	X	X	メ	711 1015	7 03	50-4-201707		~~1
3 /	3	×	×	XX	XX	Z Zgg	1/11 tals	SW 7	107106-4-WS		7
الا الا	U		×	×	× ×	× ,	110 1530	(GW 7	PC-2-201707	Ρ	005/206
3	3		~	×.	×	*	7/10 1410	6w 7	MW-4-201707	1	003/coy
73	\w\ -		×	×	×	*	110 1235	6w 7	MW-2-201707	7	001/002
HCI H2S0 HNO	None MeO En C	H	Ch %	TA	V	Com	Date Time	×	4) Customer Sample ID		Lab Sample #
04	н	arr) / (10. N		6) Sample	5)			
c) ottles	8) # of Bottles	rnes	olio	Met Field	46	te (C)	Comments)	nder item 9, (spec		Acc * 90 (
		5	15	(ha) Fi	15			SL - Sludge OL - Oil	GW - Ground Water SL - Slu WW - Waste Water OL - Oil		Batch #
				IF.	ш	Туре	A - Air		7		←
				<i>(11)</i>	-	Sample			Matrix Codes		ONLY
Contingent <==	<=== Check If Contingent <===				<u> </u>	ent ===	Check If Contingent ==	#==> C			USE
	lists)	ds & parameter lists)	cify metho	7) Analysis (specify methods	7) A					B	FOR LAB
Always Available.	* Expedited TAT Not Always Available.										
(Other:			plicable):	2d) Quote/PO # (If Applicable):	2d) Qu	"		"	Report to:	1d) Send Report to:
NY ASP CatA	<i>-</i> -						1		61	nvoice to:	1c) Send Invoice to:
NJ Full / NY ASP CatB	5 Business Days (25%)	, July	To	L	2c) Project Location (City/State):		uho es. con	3	Kmyersb	1b) Email/Cell/Fax/Ph:	1b) Email
[]PA []Other	4 Business Days (35%)* [Myers	KIRSKA	ject Mgr:	2b) Project Mgr:	7	81001	60	New	
AN[] [N[]	3 Business Days (50%)*			20051	7			V '	0 Boodus	1430	Address:
Reduced:		Rsidacy	som Sur	West Humson		2a) Project:		<u> </u>		ner 12	1a) Customer:
Summary Results + OC (Waste)	When Available: S		rmation	Broiget Info	VI #80124 DE	1,496-1	NY #11408 C1 #F	A #66-00463	NELACINJ #0/0/1 PA #00-0493 NT #11400 C. 1#PT-00/1 NT #90/24 DE DISCA Approved		
, wpork i jeo	_	- Control bush	, Cinan Dasine	TOY BOADA DE LICOA Assessed	A LINCHOUL VI		100 OT #5	**************************************	11 (Set vice Cetter): 030-100-0031 ax. 030-100-0030	L II (Oct AICe	
a) reporting requirements (Fleetronic	Turnaround	es Enternrise	Small Busine	Disadvantaged	Warrosman Owner	Han	ey 08054	urel, New Jers	Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054	ce Center: 137	Serv
Bourisments (Blo	10/1124	RECORD -	RECC	! 달	7	7	ey 07004 439-1458	īeld, New Jers 44-9787 973-	175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004 Ph: 800-426-9992 973-244-9770 Fax: 973-244-9787 973-439-1458	Route 46 West 3 00-426-9992 	175 P h:
	Project # (Lab use Only)			1 2	5	-	SBE)	3E/DBE/	Hampton-Clarke, Inc. (WBE/DBE/SBE)	ampton-	-
							ay.		State of the state		

1d) Send Report to: 1c) Send Invoice to: 1b) Email/Cell/Fax/Ph: 1a) Customer: **Additional Notes** 11) Sampler (print name): 10) Relinquished by: 017/018 Lab Sample # FOR LAB Batch # ONLY residence of USE Address: Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054 Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458 175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004 Hampton-Clarke, Inc. (WBE/DBE/SBE) Ph (Service Center): 856-780-6057 Fax: 856-780-6056 MW-11-201107 4) Customer Sample ID OT - Other (please specify under item 9, Comments) WW - Waste Water GW - Ground Water **DW** - Drinking Water Customer Information NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved 18 mes **Matrix Codes** S - Soil **PL** - 0i SL - Sludge 805 (250n 6W Matrix 5 A - Air Check If Contingent === 7/1 Date Sample Accepted by: 2 h Time 2c) Project Location (City/State): 2d) Quote/PO # (If Applicable) 2b) Project Mgr. 2a) Project Sample Type Composite (C) A Women-Owned, Disadvantaged, Small Business Enterprise Grab (G) Date: VO BTEX+MIBE Fe, Mn (Field Filt) Alkalinity + Biard Me NO3 + Sulfake 7) Analysis (specify methods & parameter lists) Project Information Date CHAIN OF CUSTODY RECORD Time Indicate if low-level methods required to meet current groundwater standards (SPLP for soil): Internal use: sampling plan (check box) HC[] or client[] Check if applicable: SPLP (BN, BNA, Metals) VOC (8260C SIM or 8011) Project-Specific Reporting Limits 1,4 Dioxane **BN or BNA (8270D SIM)** NJ LSRP Project (also check boxes above/right) **High Contaminant Concentrations** Please note NUMBERED items. If not completed your analytical work may be delayed. A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis. 7071123 5 Business Days (25%) 3 Business Days (50%)* 1 Business Day (100%) 8 Business Days (Stand.) 2 Business Days (75%)* 4 Business Days (35%)* Comments, Notes, Special Requirements, HAZARDS When Available: Turnaround * Expedited TAT Not Always Available. Please Check with Lab. Project # (Lab Use Only) <=== Check If Contingent <=== None 3) Reporting Requirements (Please Circle) MeOH En Core NaOH []PA []Other___ NY ASP CatA AN[] [] [] Summary NJ Full / NY ASP CatB Reduced: Results + QC (Waste) Report Type HCI W For NJ LSRP projects, indicate which standards need to be met: H2SO4 **NJDEP SRS NJDEP GWQS** Other (specify): NJDEP SPLP HNO3 Page_ FSP# Zn Aceby Excel Reg. NJ (NY) PA Electronic Data Deliv Other: EnviroData NJ Hazsite 3 D [] 4-File []EZ 9) Comments [] Region 2 or 5 [X] NYDEC かった D

Hampton-Clarke Report Of Analysis

Client: TRC Engineering

HC Project #: 7071123

Project: Harrison Sub Residency

 Sample ID: PC-1-201707 U
 Collection Date: 7/12/2017

 Lab#: AC98940-001
 Receipt Date: 7/12/2017

 Matrix: Aqueous
 Aqueous

. AC90940-001			Receipt	Date: 7/12/2017
: Aqueous				
Alkalinity-Bicarbonate (SM2320B-97)				
Analyte	DF	Units	RL	Result
Alkalinity	1	mg caco3/l	10	390
Alkalinity-Carbonate (SM2320B-97)				
Analyte	DF	Units	RL	Result
Alkalinity	1	mg caco3/l	10	ND
Alkalinity-Total (SM2320B-97)		<u> </u>		
Analyte	DF	Units	RL	Result
Alkalinity	1	mg caco3/l	10	390
Chloride (Water) 300.0	· · · · · · · · · · · · · · · · · · ·	mg daddon		
Analyte	DF	Units	RL	Result
Chloride	10		20	260
	10	mg/l	20	200
Nitrate-N (Water) 300.0		11		Describ
Analyte	DF	Units	RL	Result
Nitrate	1	mg/l	1.0	ND
Semivolatile Organics (no search) 8270				
Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	0.89	ND
2,4-Dimethylphenol	1	ug/l	0.56	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/l	0.56	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND
4-Nitrophenol	1	ug/l	2.2	ND
Acenaphthene	1	ug/l	2.2	ND
Acenaphthylene	1	ug/l	2.2	ND
Acetophenone	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/l	2.2	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND

NOTE: Soil Results are reported to Dry Weight

Project #: 7071123

mala ID-	PC-1-201707 U				Calles	tion Data-	7/40/0047	
-	PC-1-201707 U AC98940-001					tion Date:		
	Aqueous				Red	eipt Date:	//12/201/	
watiix.	Benzo[k]fluoranthene		1	ug/l	2.2		ND	
	bis(2-Chloroethoxy)methane		1	ug/l	2.2		ND	
	bis(2-Chloroethyl)ether		1	ug/l	0.56		ND	
	bis(2-Chloroisopropyl)ether		1	ug/l	2.2		ND	
	bis(2-Ethylhexyl)phthalate		1	ug/l	2.2		ND	
	Butylbenzylphthalate		1	ug/l	2.2		ND	
	Caprolactam		1	ug/l	2.2		ND	
	Carbazole		1	-	2.2		ND	
			1	ug/l				
	Chrysene		-	ug/l	2.2		ND	
	Dibenzo[a,h]anthracene		1	ug/l	2.2		ND	
	Dibenzofuran		1	ug/l	0.56		ND	
	Diethylphthalate		1	ug/l	2.2		ND	
	Dimethylphthalate		1	ug/l	2.2		ND	
	Di-n-butylphthalate		1	ug/l	0.56		ND	
	Di-n-octylphthalate		1	ug/l	2.2		ND	
	Fluoranthene		1	ug/l	2.2		ND	
	Fluorene		1	ug/l	2.2		ND	
	Hexachlorobenzene		1	ug/l	2.2		ND	
	Hexachlorobutadiene		1	ug/l	2.2		ND	
	Hexachlorocyclopentadiene		1	ug/l	2.2		ND	
	Hexachloroethane		1	ug/l	2.2		ND	
	Indeno[1,2,3-cd]pyrene		1	ug/l	2.2		ND	
	Isophorone		1	ug/l	2.2		ND	
	Naphthalene		1	ug/l	0.56		ND	
	Nitrobenzene		1	ug/l	2.2		ND	
	N-Nitroso-di-n-propylamine		1	ug/l	0.56		ND	
	N-Nitrosodiphenylamine		1	ug/l	2.2		ND	
	Pentachlorophenol		1	ug/l	11		ND	
	Phenanthrene		1	ug/l	2.2		ND	
	Phenol		1	ug/l	2.2		ND	
	Pyrene		1	ug/l	2.2		ND	
	Surrogate	Conc.	Sr	ike	Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	55.12		50	55	146	110	i lugo
	Phenol-d5	34.46		00	27	146	34	
	Nitrobenzene-d5	39.96		50	51	139	80	
	2-Fluorophenol	51.10		00	29	113	51	
	2-Fluorobiphenyl	45.51		50	53	129	91	
	2,4,6-Tribromophenol	90.94		00	54	149	91	
5	Sulfate (Water) 300.0							
_	Januaro (Trator) 60010							
	Analysta		DE	11	D.		D 14	
	Analyte		DF	Units	RL		Result	
_	Sulfate		DF	Units mg/l	RL 20		Result	
_ S								
- S	Sulfate							
\$	Sulfate Sulfide-Total (SM4500-S2F-11)		10	mg/l	20		120	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte		10 DF	mg/l Units	20 RL		120 Result	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) Volatile Organics (no search) 8260		10 DF	mg/l Units	20 RL		120 Result	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte		10 DF 1	mg/l Units mg/l Units	20 RL 2		Result ND Result	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane		10 DF 1	mg/l Units mg/l Units	20 RL 2 RL 1.0		Result ND Result ND	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane		10 DF 1 1 1 1	mg/l Units mg/l Units ug/l ug/l	20 RL 2 RL 1.0 1.0		Result ND Result ND ND ND	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane		DF 1 1 1 1 1 1	mg/l Units mg/l Units ug/l ug/l ug/l	20 RL 2 RL 1.0 1.0 1.0		Result ND Result ND ND ND ND ND	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane		DF 1 1 1 1 1 1 1	mg/l Units mg/l Units ug/l ug/l ug/l	20 RL 2 RL 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1,1-Dichloroethane 1,1-Dichloroethane		DF 1 1 1 1 1 1 1 1 1	mg/l Units mg/l Units ug/l ug/l ug/l ug/l	RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane		DF 1 1 1 1 1 1 1 1 1 1	mg/l Units mg/l Units ug/l ug/l ug/l ug/l ug/l	20 RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,1-Dichloroethane 1,2-Trichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	20 RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	20 RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Tichloroethane 1,2-Tichloroethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dibromoethane 1,2-Dibromoethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	20 RL 2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloropropane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichloroethane 1,2,4-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dichloroethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloropropane 1,2-Dichloropropane 1,3-Dichloropropane 1,3-Dichloropropane 1,3-Dichloropropane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	### ##################################	20 RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Z-Tichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-J-Tichloroethane 1,2-J-Tichloroethane 1,2-J-Tichloroethane 1,2-J-Tichloroethane 1,2-J-Tichloroethane 1,2-Dichloroethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,3-Dichloroethane 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/l Units mg/l Units ug/l	RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
_	Sulfate Sulfide-Total (SM4500-S2F-11) Analyte Sulfide (Total) /olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Dichloroethane 1,2,3-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/l Units mg/l Units ug/l ug/l	20 RL 2 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	

	PC-1-201707 U					tion Date:		
	AC98940-001				Red	ceipt Date:	7/12/2017	
Matrix:	Aqueous							
	Acetone	1		ug/l	5.0		ND	
	Benzene	1		ug/l	0.50		ND	
	Bromochloromethane	1		ug/l	1.0		ND	
	Bromodichloromethane	1		ug/l	1.0		ND	
	Bromoform	1		ug/l	1.0		ND	
	Bromomethane	1		ug/l	1.0		ND	
	Carbon disulfide	1		ug/l	1.0		ND	
	Carbon tetrachloride	1		ug/l	1.0		ND	
	Chlorobenzene	1		ug/l	1.0		ND	
	Chloroethane	1		ug/l	1.0		ND	
	Chloroform	1		ug/l	1.0		ND	
	Chloromethane	1		ug/l	1.0		ND	
	cis-1,2-Dichloroethene	1		ug/l	1.0		ND	
	cis-1,3-Dichloropropene	1		ug/l	1.0		ND	
	Cyclohexane	1		ug/l	1.0		ND	
	Dibromochloromethane	1		ug/l	1.0		ND	
	Dichlorodifluoromethane	1		ug/l	1.0		ND	
	Ethylbenzene	1		ug/l	1.0		ND	
	Isopropylbenzene	1		ug/l	1.0		ND	
	m&p-Xylenes	1		ug/l	1.0		ND	
	Methyl Acetate	1		ug/l	1.0		ND	
	Methylcyclohexane	1		ug/l	1.0		ND	
	Methylene chloride	1		ug/l	1.0		ND	
	Methyl-t-butyl ether	1		ug/l	0.50		ND	
	o-Xylene	1		ug/l	1.0		ND	
	Styrene	1		ug/l	1.0		ND	
	Tetrachloroethene	1		ug/l	1.0		ND	
	Toluene	1		ug/l	1.0		ND	
	trans-1,2-Dichloroethene	1		ug/l	1.0		ND	
	trans-1,3-Dichloropropene	1		ug/l	1.0		ND	
	Trichloroethene	1		ug/l	1.0		ND	
	Trichlorofluoromethane	1		ug/l	1.0		ND	
	Vinyl chloride	1		ug/l	1.0		ND	
	Xylenes (Total)	1		ug/l	1.0		ND	
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Toluene-d8	28.89	30		79	111	96	
	Dibromofluoromethane	35.61	30		73	131	119	
	Bromofluorobenzene	29.32	30		82	112	98	
	1,2-Dichloroethane-d4	35.33	30		78	128	118	

Sample ID: PC-1-201707 F Collection Date: 7/12/2017

Lab#: AC98940-002 Receipt Date: 7/12/2017

Matrix: Aqueous

nide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
cury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
Metals 6010				
Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	210
Barium	1	ug/l	50	180
Calcium	1	ug/l	5000	170000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	1400
Magnesium	1	ug/l	5000	24000
Manganese	1	ug/l	40	1500
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	6300
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	160000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND
Metals 6020				
Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	10	ND
Thallium	1	ug/l	2.0	ND

Collection Date: 7/12/2017 Sample ID: PC-FD-201707 U Receipt Date: 7/12/2017 Lab#: AC98940-003 Matrix: Aqueous Alkalinity-Bicarbonate (SM2320B-97) DF **Units** RL Analyte Result Alkalinity 1 mg caco3/l 10 400 Alkalinity-Carbonate (SM2320B-97) Analyte DF Units RL Result Alkalinity ND 1 mg caco3/l 10 Alkalinity-Total (SM2320B-97) Analyte DF **Units** RL Result 10 400 Alkalinity 1 mg caco3/l Chloride (Water) 300.0 Analyte DF Units RL Result Chloride 10 mg/l 20 260 Nitrate-N (Water) 300.0 DF Analyte Units RL Result 1 mg/l 1.0 ND Semivolatile Organics (no search) 8270 Analyte DF Units RL Result 1,1'-Biphenyl ug/l 2.2 ND 2.2 ND 1,2,4,5-Tetrachlorobenzene 1 ug/l 2,3,4,6-Tetrachlorophenol ug/l 2.2 ND 2,4,5-Trichlorophenol ug/l 2.2 ND ND 2,4,6-Trichlorophenol 1 ug/l 2.2 0.89 ND 2,4-Dichlorophenol 1 ug/l 0.56 ND 2,4-Dimethylphenol 1 ug/l 2,4-Dinitrophenol ug/l 11 ND 2 4-Dinitrotoluene 2.2 ND 1 ug/l 2,6-Dinitrotoluene 2.2 ND ug/l 2-Chloronaphthalene 1 ug/l 2.2 ND 2-Chlorophenol 22 ND ug/l 2-Methylnaphthalene 1 2.2 ND ug/l 2-Methylphenol ND ug/l 0.56 2-Nitroaniline ug/l 2.2 ND 2-Nitrophenol 2.2 ND ug/l 3&4-Methylphenol 0.56 ND ug/l 3,3'-Dichlorobenzidine 1 ug/l 2.2 ND 3-Nitroaniline 1 ug/l 2.2 ND 4,6-Dinitro-2-methylphenol ND ug/l 11 4-Bromophenyl-phenylether ug/l 2.2 ND ND 4-Chloro-3-methylphenol 1 ug/l 2.2 ND 4-Chloroaniline 0.56 1 ug/l 4-Chlorophenyl-phenylether 2.2 ND ug/l 4-Nitroaniline ug/l 2.2 ND 4-Nitrophenol 2.2 ND 1 ug/l ND Acenaphthene ug/l 2.2 Acenaphthylene 2.2 ND ug/l Acetophenone ug/l 2.2 ND Anthracene 2.2 ND 1 ug/l Atrazine ug/l 2.2 ND Benzaldehyde ug/l 2.2 ND Benzo[a]anthracene ND 1 2.2 ug/l 2.2 ND Benzo[a]pyrene ug/l Benzo[b]fluoranthene 2.2 ND ug/l Benzo[g,h,i]perylene ug/l 2.2 ND 2.2 Benzo[k]fluoranthene 1 ug/l ND bis(2-Chloroethoxy)methane 2.2 ND ug/l bis(2-Chloroethyl)ether 1 ug/l 0.56 ND

1

ug/l

ug/l

ug/l

ug/l

ug/l

2.2

2.2

2.2

2.2

2.2

ND

ND

ND ND

ND

bis(2-Chloroisopropyl)ether

bis(2-Ethylhexyl)phthalate

Butylbenzylphthalate

Caprolactam

Carbazole

ipie ib.	PC-FD-201707 U				Collec	tion Date:	7/12/2017	
-	AC98940-003					ceipt Date:		
	Aqueous					70.pt 2 uto.	.,,_	
	Chrysene		1	ug/l	2.2		ND	
	Dibenzo[a,h]anthracene		1	ug/l	2.2		ND	
	Dibenzofuran		1	ug/l	0.56		ND	
	Diethylphthalate		1	ug/l	2.2		ND	
	Dimethylphthalate		1	ug/l	2.2		ND	
	Di-n-butylphthalate		1	ug/l	0.56		ND	
	Di-n-octylphthalate		1	ug/l	2.2		ND	
	Fluoranthene		1	ug/l	2.2		ND	
	Fluorene		1	ug/l	2.2		ND	
	Hexachlorobenzene		1	ug/l	2.2		ND	
	Hexachlorobutadiene		1	-	2.2		ND	
	Hexachlorocyclopentadiene		1	ug/l ug/l	2.2		ND	
	Hexachloroethane		1		2.2		ND	
			1	ug/l	2.2		ND ND	
	Indeno[1,2,3-cd]pyrene			ug/l				
	Isophorone		1	ug/l	2.2		ND	
	Naphthalene		1	ug/l	0.56		ND	
	Nitrobenzene		1	ug/l	2.2		ND	
	N-Nitroso-di-n-propylamine		1	ug/l	0.56		ND	
	N-Nitrosodiphenylamine		1	ug/l	2.2		ND	
	Pentachlorophenol		1	ug/l	11		ND	
	Phenanthrene		1	ug/l	2.2		ND	
	Phenol		1	ug/l	2.2		ND	
	Pyrene	_	1	ug/l	2.2		ND	
	Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	53.98	50		55	146	108	
	Phenol-d5	28.27	100		27	115	28	
	Nitrobenzene-d5	42.66	50		51	139	85	
	2-Fluorophenol	42.82	100		29	113	43	
	2-Fluorobiphenyl 2,4,6-Tribromophenol	45.75 88.35	50 100		53 54	129 149	91 88	
	Analyte		DF	Units	RL		Result	
_	Sulfate		10	mg/l	20		110	
S	Sulfate Sulfide-Total (SM4500-S2F-11)		10	mg/l				
			10 DF	mg/l Units				
- S	ulfide-Total (SM4500-S2F-11) Analyte		DF	Units	20 RL		110 Result	
<u>-</u>	Analyte Sulfide (Total)			-	20		110	
<u>-</u>	Analyte Sulfide (Total) Colatile Organics (no search) 8260		DF	Units mg/l	20 RL 2		Result	
- -	Analyte Sulfide (Total) Volatile Organics (no search) 8260 Analyte		DF 1	Units mg/l	20 RL 2		Result ND Result	
- -	Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane		DF 1	Units mg/l Units ug/l	20 RL 2 RL 1.0		Result ND Result ND	
-	Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane		DF 1 DF 1 1	Units mg/l Units ug/l ug/l	20 RL 2 RL 1.0 1.0		Result ND Result ND ND ND	
-	Analyte Sulfide (Total) Olatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane		DF 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l	20 RL 2 RL 1.0 1.0 1.0		Result ND Result ND ND ND ND	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane		DF 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l	20 RL 2 RL 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,1-Dichloroethane		DF 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l	20 RL 2 RL 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND	
- -	Analyte Sulfide (Total) Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1,0-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichloroethane 1,2,3-Trichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2,0-Dibromo-3-chloropropane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichlorobenzene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2,0-Dibromo-3-chloropropane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichlorobenzene 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Dibromo-3-chloropropane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Folatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Teirchloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Dichloroethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloroethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Folatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloropropane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Folatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichloropropane 1,2-Dichloroethane 1,2-Dichloropropane 1,3-Dichloropropane 1,3-Dichloropropane 1,3-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
- -	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,3-Dichloropropane 1,3-Dichlorobenzene 1,4-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichloroethane 1,2,4-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromo-3-chloropropane 1,2-Dichloroethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dicklorobenzene 2-Butanone		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichlorobenzene 1,2-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromo-3-chloropropane 1,2-Dichloroethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dicklorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichloroethane 1,2,3-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,4-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2,3-Trichloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromoethane 1,2-Dichlorobenzene 1,4-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Trichloroethane 1,2-Dibromo-3-chloropropane 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,4-Dichlorobenzene		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l u	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dioxane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromochloromethane Bromodichloromethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Colatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichlorobenzene 1,2-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromo-3-chloropropane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichloroethane 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dioxane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromochloromethane Bromodichloromethane Bromoform		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l ug/l ug/l	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	
-	Analyte Sulfide (Total) Analyte Sulfide (Total) Yolatile Organics (no search) 8260 Analyte 1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane 1,1-Dichloroethane 1,2-Trichloroethane 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane 1,2-Dibromo-3-chloropropane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dioxane 2-Butanone 2-Hexanone 4-Methyl-2-pentanone Acetone Benzene Bromochloromethane Bromodichloromethane		DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Units mg/l Units ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/	20 RL 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.		Result ND Result ND ND ND ND ND ND ND ND ND N	

-	PC-FD-201707 U AC98940-003					tion Date:		
	Aqueous				Rec	eipt Date:	//12/2017	
matrix.	Chlorobenzene	1		ug/l	1.0		ND	
	Chloroethane	1		ug/l	1.0		ND	
	Chloroform	1		ug/l	1.0		ND	
	Chloromethane	1		ug/l	1.0		ND	
	cis-1,2-Dichloroethene	1		ug/l	1.0		ND	
	cis-1,3-Dichloropropene	1		ug/l	1.0		ND	
	Cyclohexane	1		ug/l	1.0		ND	
	Dibromochloromethane	1		ug/l	1.0		ND	
	Dichlorodifluoromethane	1		ug/l	1.0		ND	
	Ethylbenzene	1		ug/l	1.0		ND	
	Isopropylbenzene	1		ug/l	1.0		ND	
	m&p-Xylenes	1		ug/l	1.0		ND	
	Methyl Acetate	1		ug/l	1.0		ND	
	Methylcyclohexane	1		ug/l	1.0		ND	
	Methylene chloride	1		ug/l	1.0		ND	
	Methyl-t-butyl ether	1		ug/l	0.50		ND	
	o-Xylene	1		ug/l	1.0		ND	
	Styrene	1		ug/l	1.0		ND	
	Tetrachloroethene	1		ug/l	1.0		ND	
	Toluene	1		ug/l	1.0		ND	
	trans-1,2-Dichloroethene	1		ug/l	1.0		ND	
	trans-1,3-Dichloropropene	1		ug/l	1.0		ND	
	Trichloroethene	1		ug/l	1.0		ND	
	Trichlorofluoromethane	1		ug/l	1.0		ND	
	Vinyl chloride	1		ug/l	1.0		ND	
	Xylenes (Total)	1		ug/l	1.0		ND	
	Surrogate	Conc.	Spike	•	Low Limit	High Limit	Recovery	Flags
	Toluene-d8	29.19	30		79	111	97	
	Dibromofluoromethane	34.57	30		73	131	115	
	Bromofluorobenzene	28.82	30		82	112	96	
	1,2-Dichloroethane-d4	35.43	30		78	128	118	

 Sample ID: PC-FD-201707 F
 Collection Date: 7/12/2017

 Lab#: AC98940-004
 Receipt Date: 7/12/2017

 Matrix: Aqueous
 Receipt Date: 7/12/2017

Cyanide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
Mercury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
TAL Metals 6010				
Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	170
Calcium	1	ug/l	5000	170000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	1400
Magnesium	1	ug/l	5000	23000
Manganese	1	ug/l	40	1500
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	6100
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	150000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND
TAL Metals 6020				
Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Lead	1	ug/l	3.0	ND
		-		

ug/l

ug/l

10

2.0

ND

ND

NOTE: Soil Results are reported to Dry Weight Project #: 7071123 Page 8 of 13

Selenium

Thallium

Sample ID: PC-3-201707 U Lab#: AC98940-005 Matrix: Aqueous Collection Date: 7/12/2017 Receipt Date: 7/12/2017

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	10	mg/l	20	230

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	0.89	ND
2,4-Dimethylphenol	1	ug/l	0.56	ND
		-		
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/l	0.56	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND ND
4-Nitrophenol	1	ug/l	2.2	ND
		-		
Acceptable	1	ug/l	2.2	ND
Acetaphanana	1	ug/l	2.2	ND
Acetophenone	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/l	2.2	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.56	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Caprolactam	1	ug/l	2.2	ND
Carbazole	4	ug/l	2.2	ND
Caroazole Chrysene	1	ug/l	2.2	ND ND
		-		
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran	1	ug/l	0.56	ND
Diethylphthalate	1	ug/l	2.2	ND
Dimethylphthalate	1	ug/l	2.2	ND
Di-n-butylphthalate	1	ug/l	0.56	ND
Di-n-octylphthalate	1	ug/l	2.2	ND
Fluoranthene	1	ug/l	2.2	ND
Fluorene	1	ug/l	2.2	ND
Hexachlorobenzene	1	ug/l	2.2	ND
Hexachlorobutadiene	1	ug/l	2.2	ND
	1	ug/l	2.2	ND
Hexachlorocyclopentadiene				
	1	ug/l	2.2	ND
Hexachloroethane		ug/l ug/l		
Hexachloroethane Indeno[1,2,3-cd]pyrene	1	ug/l	2.2	ND
Hexachlorocyclopentadiene Hexachloroethane Indeno[1,2,3-cd]pyrene Isophorone Naphthalene				

NOTE: Soil Results are reported to Dry Weight

Project #: 7071123

Lab#:	PC-3-201707 U AC98940-005 Aqueous				ction Date: ceipt Date:		
	N-Nitroso-di-n-propylamine	1	ug/l	0.56		ND	
	N-Nitrosodiphenylamine	1	ug/l	2.2		ND	
	Pentachlorophenol	1	ug/l	11		ND	
	Phenanthrene	1	ug/l	2.2		ND	
	Phenol	1	ug/l	2.2		ND	
	Pyrene	1	ug/l	2.2		ND	
	Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
	Terphenyl-d14	49.78	50	55	146	100	
	Phenol-d5	30.64	100	27	115	31	
	Nitrobenzene-d5	37.65	50	51	139	75	
	2-Fluorophenol	44.78	100	29	113	45	
	2-Fluorobiphenyl	41.06	50	53	129	82	
	2,4,6-Tribromophenol	80.08	100	54	149	80	

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1 1		1.0	ND ND
Chloroform	1	ug/l ug/l	1.0	ND
Chloromethane	1	-	1.0	ND
cis-1,2-Dichloroethene	1	ug/l ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND ND
Cyclohexane	1	-	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
	1	ug/l	1.0	ND
Dichlorodifluoromethane 5th-th-careas		ug/l		
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/I	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: PC-3-201707 U Lab#: AC98940-005 Matrix: Aqueous Collection Date: 7/12/2017 Receipt Date: 7/12/2017

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.37	30	79	111	95	
Dibromofluoromethane	34.85	30	73	131	116	
Bromofluorobenzene	28.46	30	82	112	95	
1,2-Dichloroethane-d4	34.24	30	78	128	114	

NOTE: Soil Results are reported to Dry Weight Project #: 7071123 Page 11 of 13

Sample ID: PC-3-201707 F Collection Date: 7/12/2017

Lab#: AC98940-006 Receipt Date: 7/12/2017

Matrix: Aqueous

Cyanide (Water) 9012				
Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND
Mercury (Water) 7470A				
Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND
TAL Metals 6010				
Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Barium	1	ug/l	50	140
Calcium	1	ug/l	5000	72000
Chromium	1	ug/l	50	ND
Copper	1	ug/l	50	ND
Iron	1	ug/l	300	350
Magnesium	1	ug/l	5000	19000
Manganese	1	ug/l	40	240
Nickel	1	ug/l	50	ND
Potassium	1	ug/l	5000	5600
Silver	1	ug/l	20	ND
Sodium	1	ug/l	5000	81000
Vanadium	1	ug/l	50	ND
Zinc	1	ug/l	50	ND
TAL Metals 6020				
Analyte	DF	Units	RL	Result
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND

ug/l

ug/l

ug/l

3.0

10

2.0

ND

ND

ND

Lead

Selenium

Thallium

 Sample ID: TB-2-201707
 Collection Date: 7/12/2017

 Lab#: AC98940-007
 Receipt Date: 7/12/2017

 Matrix: Aqueous
 Receipt Date: 7/12/2017

Volatile Organics (no search) 8260

Analyte	DI	F	Units	RL		Result	
1,1,1-Trichloroethane	1	-	ug/l	1.0		ND	
1,1,2,2-Tetrachloroethane	1		ug/l	1.0		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	1		ug/l	1.0		ND	
1,1,2-Trichloroethane	1		ug/l	1.0		ND	
1,1-Dichloroethane	1		ug/l	1.0		ND	
1,1-Dichloroethene	1		ug/l	1.0		ND	
1,2,3-Trichlorobenzene	1		ug/l	1.0		ND	
1,2,4-Trichlorobenzene	1		ug/l	1.0		ND	
1,2-Dibromo-3-chloropropane	1		ug/l	1.0		ND	
1,2-Dibromoethane	1		ug/l	1.0		ND	
1,2-Dichlorobenzene	1		ug/l	1.0		ND	
1,2-Dichloroethane	1		ug/l	0.50		ND	
1,2-Dichloropropane	1		ug/l	1.0		ND	
1,3-Dichlorobenzene	1		ug/l	1.0		ND	
1,4-Dichlorobenzene	1					ND	
·			ug/l	1.0			
1,4-Dioxane	1		ug/l	50		ND	
2-Butanone	1		ug/l	1.0		ND	
2-Hexanone	1		ug/l	1.0		ND	
4-Methyl-2-pentanone	1		ug/l	1.0		ND	
Acetone	1		ug/l	5.0		ND	
Benzene	1		ug/l	0.50		ND	
Bromochloromethane	1		ug/l	1.0		ND	
Bromodichloromethane	1		ug/l	1.0		ND	
Bromoform	1		ug/l	1.0		ND	
Bromomethane	1		ug/l	1.0		ND	
Carbon disulfide	1		ug/l	1.0		ND	
Carbon tetrachloride	1		ug/l	1.0		ND	
Chlorobenzene	1		ug/l	1.0		ND	
Chloroethane	1		ug/l	1.0		ND	
Chloroform	1		ug/l	1.0		ND	
Chloromethane	1		ug/l	1.0		ND	
cis-1,2-Dichloroethene	1		ug/l	1.0		ND	
cis-1,3-Dichloropropene	1		ug/l	1.0		ND	
Cyclohexane	1		ug/l	1.0		ND	
Dibromochloromethane	1		ug/l	1.0		ND	
Dichlorodifluoromethane	1		ug/l	1.0		ND	
Ethylbenzene	1		ug/l	1.0		ND	
Isopropylbenzene	. 1		ug/l	1.0		ND	
m&p-Xylenes	1		ug/l	1.0		ND	
Methyl Acetate Methylcyclohexane	<u> </u>		ug/l	1.0		ND ND	
• •			ug/l				
Methylene chloride	1		ug/l	1.0		ND	
Methyl-t-butyl ether	1		ug/l	0.50		ND	
o-Xylene	1		ug/l	1.0		ND	
Styrene	1		ug/l	1.0		ND	
Tetrachloroethene	1		ug/l	1.0		ND	
Toluene	1		ug/l	1.0		ND	
trans-1,2-Dichloroethene	1		ug/l	1.0		ND	
trans-1,3-Dichloropropene	1		ug/l	1.0		ND	
Trichloroethene	1		ug/l	1.0		ND	
Trichlorofluoromethane	1		ug/l	1.0		ND	
Vinyl chloride	1		ug/l	1.0		ND	
Xylenes (Total)	1		ug/l	1.0		ND	
Surrogate	Conc.	Spike		Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.36	30		79	111	95	
Dibromofluoromethane	35.43	30		73	131	118	
Bromofluorobenzene	29.16	30		82	112	97	

NOTE: Soil Results are reported to Dry Weight Project #: 7071123 Page 13 of 13

r client [] FSP#	Internal use: sampling plan (check box) HC [] or client []	Internal use: sampli		•							
pleted your ana	No Lower Project (also check boxes aboveringin) No Lower Project (also check boxes aboveringin) No Lower Project (also check boxes aboveringin) No Lower Project (also check boxes) No Lower Project (also check boxes) A fee of \$5/5ample will be assessed for storage should sample not be activated for any analysis. A fee of \$5/5ample will be assessed for storage should sample not be activated for any analysis.	Please note I	2007	side las	Samples on si	Sample	R	Hamson Sub	Part Frail Han	Please By	Pleak
hous (rinks)	High Contaminant Concentrations	High Contai		7/11/17	Date:			Robinson	11) Sampler (print name): James Ro	ler (print name	11) Samp
	eific Describer Limite	Check if applicable:									
Other (specify):	SPLP (BN, BNA, Metals) 1,4 Dioxane	SPLP (BN, E						<u> </u>			
NJDEP SRS	VOC (8260C SIM or 8011)	VOC (8260C	15:50	7/11/17	- Annual Control of the Control of t		1	7	W	STATE OF THE PARTY	MA
For NJ LSRP projects, indicate which standards need to be met:	icate if low-level methods required to meet rent groundwater standards (SPLP for soil):	Indicate if low-level n current groundwater	14:30	7///		0	THE STATES	The Colon	\/	X	Ŋ
al Requiremen	Comments, Notes, Special Requirements, HAZARDS		┷┩	Date		d by:	Accepted by:		y:	10) Relinquished by:	10) Relii
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الا الا	U		×	×	× ×	× ,	110 1530	(GW 7	PC-2-201707	Ρ	005/206
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73	\w\ -		×	×	×	*	110 1235	6w 7	MW-2-201707	7	001/002
HCI H2S0 HNO	None MeO En C	H	Ch %	TA	V	Com	Date Time	×	4) Customer Sample ID		Lab Sample #
04	н	arr) / (10. N		6) Sample	5)			
c) ottles	8) # of Bottles	rnes	olio	Met Field	46	te (C)	Comments)	nder item 9, (spec		Acc * 90 (
		5	15	(ha) Fi	15			SL - Sludge OL - Oil	GW - Ground Water SL - Slu WW - Waste Water OL - Oil		Batch #
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				<i>(11)</i>	-	Sample			Matrix Codes		ONLY
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	lists)	ds & parameter lists)	cify metho	7) Analysis (specify methods	7) A					B	FOR LAB
Always Available.	* Expedited TAT Not Always Available.										
(Other:			plicable):	2d) Quote/PO # (If Applicable):	2d) Qu	"		"	Report to:	1d) Send Report to:
NY ASP CatA	<i>-</i> -						1		61	nvoice to:	1c) Send Invoice to:
NJ Full / NY ASP CatB	5 Business Days (25%)	, July	To	L	2c) Project Location (City/State):		uho es. con	3	Kmyersb	1b) Email/Cell/Fax/Ph:	1b) Email
[]PA []Other	4 Business Days (35%)* [Myers	KIRSKA	ject Mgr:	2b) Project Mgr:	7	81001	60	New	
AN[] [N[]	3 Business Days (50%)*			20051	7			V '	0 Boodus	1430	Address:
Reduced:		Rsidacy	som Sur	West Humson		2a) Project:		<u> </u>		ner 12	1a) Customer:
Summary Results + OC (Waste)	When Available: S		rmation	Broiget Info	VI #80124 DE	1,496-1	NY #11408 C1 #F	A #66-00463	NELACINJ #0/0/1 PA #00-0493 NT #11400 C. 1#PT-00/1 NT #90/24 DE DISCA Approved		
, wpork i jeo	_	- Control bush	, Cinan Dasine	TOY BOADA DE LICOA Assessed	A LINCHOUL VI		100 OT #5	**************************************	11 (Set vice Cetter): 030-100-0031 ax. 030-100-0030	L II (Oct AICe	
a) reporting requirements (Fleetronic	Turnaround	es Enternrise	Small Busine	Disadvantaged	Warrosman Owner	Han	ey 08054	urel, New Jers	Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054	ce Center: 137	Serv
Bourisments (Blo	10/1124	RECORD -	RECC	! 달	7	7	ey 07004 439-1458	īeld, New Jers 44-9787 973-	175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004 Ph: 800-426-9992 973-244-9770 Fax: 973-244-9787 973-439-1458	Route 46 West 3 00-426-9992 	175 P h:
	Project # (Lab use Only)			1 2	5	-	SBE)	3E/DBE/	Hampton-Clarke, Inc. (WBE/DBE/SBE)	ampton-	-
							ay.		State of the state		

1d) Send Report to: 1c) Send Invoice to: 1b) Email/Cell/Fax/Ph: 1a) Customer: **Additional Notes** 11) Sampler (print name): 10) Relinquished by: 017/018 Lab Sample # FOR LAB Batch # ONLY residence of USE Address: Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054 Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458 175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004 Hampton-Clarke, Inc. (WBE/DBE/SBE) Ph (Service Center): 856-780-6057 Fax: 856-780-6056 MW-11-201107 4) Customer Sample ID OT - Other (please specify under item 9, Comments) WW - Waste Water GW - Ground Water **DW** - Drinking Water Customer Information NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved 18 mes **Matrix Codes** S - Soil **PL** - 0i SL - Sludge 805 (250n 6W Matrix 5 A - Air Check If Contingent === 7/1 Date Sample Accepted by: 2 h Time 2c) Project Location (City/State): 2d) Quote/PO # (If Applicable) 2b) Project Mgr. 2a) Project Sample Type Composite (C) A Women-Owned, Disadvantaged, Small Business Enterprise Grab (G) Date: VO BTEX+MIBE Fe, Mn (Field Filt) Alkalinity + Biard Me NO3 + Sulfake 7) Analysis (specify methods & parameter lists) Project Information Date CHAIN OF CUSTODY RECORD Time Indicate if low-level methods required to meet current groundwater standards (SPLP for soil): Internal use: sampling plan (check box) HC[] or client[] Check if applicable: SPLP (BN, BNA, Metals) VOC (8260C SIM or 8011) Project-Specific Reporting Limits 1,4 Dioxane **BN or BNA (8270D SIM)** NJ LSRP Project (also check boxes above/right) **High Contaminant Concentrations** Please note NUMBERED items. If not completed your analytical work may be delayed. A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis. 7071123 5 Business Days (25%) 3 Business Days (50%)* 1 Business Day (100%) 8 Business Days (Stand.) 2 Business Days (75%)* 4 Business Days (35%)* Comments, Notes, Special Requirements, HAZARDS When Available: Turnaround * Expedited TAT Not Always Available. Please Check with Lab. Project # (Lab Use Only) <=== Check If Contingent <=== None 3) Reporting Requirements (Please Circle) MeOH En Core NaOH []PA []Other___ NY ASP CatA AN[] [] [] Summary NJ Full / NY ASP CatB Reduced: Results + QC (Waste) Report Type HCI W For NJ LSRP projects, indicate which standards need to be met: H2SO4 **NJDEP SRS NJDEP GWQS** Other (specify): NJDEP SPLP HNO3 Page_ FSP# Zn Aceby Excel Reg. NJ (NY) PA Electronic Data Deliv Other: EnviroData NJ Hazsite 3 D [] 4-File []EZ 9) Comments [] Region 2 or 5 [X] NYDEC かった D

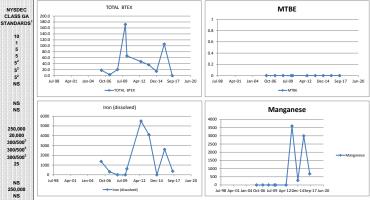
APPENDIX D PARAMETER TREND ANALYSIS



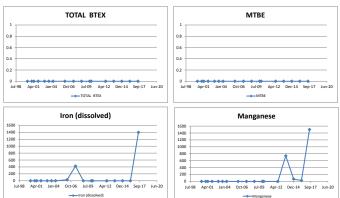
MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

WELL ID: MW 11	BASELINE (May 2000)		(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(Oct 2005)/ (Mar 2006)		(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	CLASS GA
Volatile Organics (ug/L)																	STANDARD
MTBE							ND	ND	ND	ND	ND	ND	•	ND	ND	ND	10
Benzene							ND	ND	0.88	0.88	ND	1.9	2.7	ND	0.82	ND	1
Toluene							1 J	ND	1	2.9	ND	ND	1.2	ND	ND	ND	5
Ethylbenzene							10	3J	13	130	53	32	24	13	93	ND	5
m,p-Xylene							7	ND	3.8	35	12	11	6.2	1.4	9.9	ND	5 ²
O-Xylene							ND	ND	1.6	3.1	1.2	2.3	2.4	ND	2.1	ND	5 ²
Xylenes (total)							7	ND	5.4	38.1	13.2	13.3	8.6	1.4	12	ND	5 ²
TOTAL BTEX							18	3	20.28	171.88	66.2	47.2	36.5	14.4	105.82	ND	NS
Semi-volatile Org.(ug/L)																	
2-Methylnaphthalene							•	•	•	•	•	•	•	•	•	•	NS
Napthalene							•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																	
Chloride							•	•	•	•	•	•	•	•	•	•	250,000
Sodium							•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)							174,000	23,400	•	•	•	•	4100	•	•	•	300/500 ³
Iron (dissolved)							1370	307	ND	ND	610	5500	4100	ND	2600	370	300/500 ³
Manganese							•		•				3600	280	3000	680	300/500 ³
Lead							•	•	•	•	•	•	•	•	•	•	25
Other																	
Nitrogen, Nitrate (ug/L)							0.98	240	ND	ND	ND	ND	ND	ND	ND	ND	NS
Sulfate (ug/L)							57,000	15,000	19	9	14,000	3,300	3,500	20,000	8,000	8,500	250,000
TOC (ug/L)							•	•	•	•	•	•	•	•	•	•	NS
Petroleum Hydrocarbons (ug/L)							•	•	•	•	•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)							230,000	140,000	•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)							3.70	5.45	3.30	3.01	16.25	5.03	8.30	8.70	3.02	1.13	NS



WELL ID: PC-1								(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS
Volatile Organics (ug/L)			-			-						•						
MTBE	•	•	•	•	•	•	•	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Benzene	•	•	•	•	•	•	•	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	- 1
Toluene	•	•	•	•	•	•	•	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Ethylbenzene	•	•	•	•	•	•	•	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
m,p-Xylene	•	•	•	•	•	•	•	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5 ²
O-Xylene		•	•			•		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5 ²
Xylenes (total)			•					ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5 ²
TOTAL BTEX	•	•	•	٠	٠	•	٠	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene	•	•	•	•	•	•	•	•	•	•		•	•		•	•		NS
Napthalene	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	250,000
Sodium	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)	•	•	•	•	•	•	•	599	952	•		•	•		•	•		300/500 ³
Iron (dissolved)						•		28.6	425	ND	ND	ND	ND	ND	ND	ND	1400	300/500 ³
Manganese														740	67	28	1500	300/500 ³
Lead	•	•	•	•	•	•	•	•		•		•		•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)	•	•	•	•	•	•	•	50	ND*	ND	ND	ND	ND	ND	ND	ND	ND	NS
Sulfate (ug/L)		•	•	•	•	•	•	5000	37,000	34	36	13,000	1,400	2,100	24,000	12,000	120,000	250,000
TOC (ug/L)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		NS
Petroleum Hydrocarbons (ug/L)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		NS
Carbon Dioxide (ug/L)	•	•	•	•	•	•	•	10,000	35,000	•	•	•	•	•	•	•		NS
Dissolved Oxygen (mg/L)		•	•					2.72	3.02	4.1	1.92	16.57	5.13	3.11	4.3	0.13	0	NS



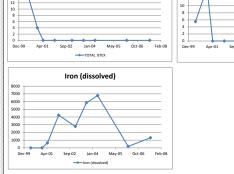


MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

Volume (organica (ugl.) MER MER ME Binname ND ND ND ND ND ND ND ND ND N	WELL ID: MW 1	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)) (May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA	TOTAL BTEX	МТВЕ
Semi-volatile Org.(ugl.) ND ND ND ND ND ND ND N	/olatile Organics (ug/L)	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	3 May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS ¹	1 1	50
Sericane ND													•	•	•	•	•	•	10	0.0	I I
Introductance ND ND ND ND ND ND ND N													•	•	•	•	•	•	1	0.6	40
12-Nylene													•	•	•	•	•	•	5		30
Polymen ND ND ND ND ND ND ND				ND	ND								•	•	•	•	•	•		0.4	20
Nylene ND	p-Xylene	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	5 ²		
No No No No No No No No	-Xylene	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	5 ²	0.2	10
TOTAL BTEX ND ND ND ND ND ND ND N	vienes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND							5 ²		
methydraphraline org.(ug/L) Modern (apt)													•	•	•	•	•	•	NS	Jul-98 Dec-99 Apr-01 Sep-02 Jan-04 May-05 Oct-06 Feb-08 Jul-09 Nov-10	Jul-98 Dec-99 Apr-01 Sep-02 Jan-04 May-05 Oct-06 Feb-08
Setals (ug/L) Setals (ug/L	iemi-volatile Org.(ug/L)																			→ TOTAL BTEX	→ МТВЕ
Tron (dissolved) 1,000						•	•	•	•	•		•		•	•			•			
Thicknown of (class) ND ND ND ND ND ND ND ND ND N	lapthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS	Iron (dissolved)	
Thioride 7,000	Metals (ug/L)																			350	
Odium (27,000		7,000	•				•			•					•		•		250,000		
In (casa) ND 268 35 56.5 B 56	odium	27,000	•		•		•			•	•		•	•	•	•	•	•	20,000	300	
In (dissolved) ND ND 298 35 85.1 B 56.5 B 58.8 96.1 B ND ND ND 300500 ² 20 3000 500 ² 20 3000	on (total)	ND		207	3.760	264			5810	4840									300/500 ³	250	
Integration		ND		ND			85 1 B	56.5 B	58 B		ND	ND							300/500 ³	200	
asd ND														.	3600	280	3000	680			
ther introgen, Nitrate (ugit.) 15,000 13,000 17,000 15,000		ND							;	i	i :			i :				•		150	
intogen, Nitrate (ugl.) 4,100 11,000 3,000 7,700 6,200 6,800 6,200 6,800 2,500 2,700 15,000 15,000 17,000 13,000 17,000 13,000 17,000 13,000 17,000 13,000 17,000 14,000 17,000 14,000 17,000 14,000 17,000 14,0		140	•				•		'	•	· ·			· ·			,	•		100	
intogen, Nitrade (ug1L) 4,100 1,000 3,000 17,700 6,200 6,800 6,200 6,800 2,500 2,700 4 1,000 1,0	ther																			50	
Iffaite (ugL) 1 5,000 1 7,000 1 13,000 1 7,000 1 15,000 1 7,000 1 15,000 1 7,000 1 15,000 1 7,000 1 15,000 1 7,000 1 15,000 1 7,000 1 15,000 1 7,000 1 15,000 1 7,000 1 15,000 1 7,000 1 15,000 1 7,000 1 15,000		4.100		11.000	3.000	7.700	6.200	6.800	6.200	6.900	2.500	2.700									
CC (ugl.) 4,000			•										•		•	•			NS	Jul 99 Dec 99 Apr 01 Sep 02 Jap 04 May 05 Oct 06 Seb 09 Jul 09 Nov 10	
enuceum rjoutcatours (ugt) 97,400 • 59,000 42,000 30,000 16,000 45,000 H 56,000 73,000 • • • • • • • • • • • • • • • • • •	OC (ug/L)	4,000	•	9,000	8,000	ND	•	•	•	•	•	•	•	•	•	•	•	•	250,000		
		•	•			•		•	•		•		•	•	•	•	•	•		→ Iron (dissolved)	
issolved Owner (moll) 3.6 1.07 6.42 8.3 2.5 3.80 4.2 5.0 7.36 5.10 3.45 4 4 4 4 4 4 5 5 5		97,400	•		42,000			45,000 H	56,000			•	•	•	•	•	•	•			
	Dissolved Oxygen (mg/L)	3.6	1.97	6.42	8.3	2.5	3.89	4.2	5.9	7.36	5.10	3.45	•	•	•	•	•	•	NS		

WELL ID: MW 2						(Sept 2003)			(July 2007)	(Oct 2008)			(July 2012)			(April 2016)		NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS
Volatile Organics (ug/L)																		
MTBE	5.5	15	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	8.0	2	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
Ethylbenzene	2.7	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
m,p-Xylene	ND	-	-	-	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5 ²
O-Xylene	3.8	-	-	-	ND	ND	ND	ND	ND	•		•	•	•	•	•	•	5 ²
Xvlenes (total)	3.8	2	ND	ND	ND	ND	ND	ND	ND	•			•			•		5 ²
TOTAL BTEX	16.6	4	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	٠	•	NS
Semi-volatile Org.(ug/L) 2-Methylnaphthalene			ND	•						•							•	NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	10,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	250,000
Sodium	22,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)	•	•	6,330	75,600	10,400	•	•	3780	12,800	•	•	•	•	•	•	•	•	300/500 ³
Iron (dissolved)	•	•	646	4,240	2,770	5,860	6,780	187	1,310	•		•	•	•	•	•	•	300/500 ³
Manganese					-									3600	280	3000	680	300/500 ³
Lead	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)	•	•	ND	ND *	81	58	70	230	87	•			•		•	•	•	
Sulfate (ug/L)	•	•	14,000	150,000	25,000	15,000	15,000	26,000	9,700	•			•		•	•		NS
TOC (ug/L)			17.000	18.000	ND	•	•	•	•	•			•					250.000
Petroleum Hydrocarbons (ug/L)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)	•	•	49,000	40,000	23,000	33,000	43,000 H	46,000	51,000	•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	2.6	3.08	4.23	3.6	1.5	1.07	1.3	1.7	3.03	•				•			•	NS



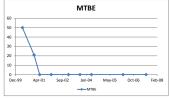


MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

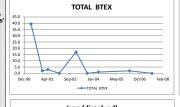
WELL ID: MW 3	BASELINE (May 2000)		(May 2001)					(Oct 2005)/ (Mar 2006)		(Oct 2008)						(April 2016)		NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS1
Volatile Organics (ug/L)																		
MTBE	50	21	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	64	ND	2	3	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	21	ND	2	3	ND	ND	ND	ND	1J	•	•	•	•	•	•	•	•	5
Ethylbenzene	350	ND	ND	40	82	120	61	ND	82	•	•	•	•	•	•	•	•	5
m,p-Xylene	460	-	-	-	44	56	15	20	10	•	•	•	•	•	•	•	•	5 ²
O-Xylene	65	-	-	-	6	5	1 J	2J	ND	•	•	•	•	•	•	•		5²
Xylenes (total)	525	2	170	110	50	61	16	22	10	•	•	•	•	•	•	•		5 ²
TOTAL BTEX	960.0	2	174	156	132	181	77	22	93	•	•	•	•	•	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			ND				•		•	•		•	•	•				NS
Napthalene	160		4 J	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	24.000	•							•									250,000
Sodium	43,000	•							•									20,000
Iron (total)	18,000	•	8.880	35.100	14,400			20.800	17.200									300/500 ³
Iron (dissolved)	ND	·	2,410	4.000	7.250	6.870	7.030	5.260	4.610		·	·	·	:	·	l .		300/500 ³
Manganese	140	•	2,410	4,000	,,200	0,0.0	1,000	•	•	i	i		·	3600	280	3000	680	300/500 ³
Lead	8							:	:		i i	·		•	200	\$	•	25
Leau	0	•	•	•	•	,	•	•	•	•	•	•	•	•	•	•		
Other																		
Nitrogen, Nitrate (ug/L)	ND	•	ND	ND *	ND	ND	ND	32	ND	•		•	•	•		•		
Sulfate (ug/L)	ND	•	18,000	24,000	27,000	6,500	7,300	14,000	ND	•		•	•		•	•		NS
TOC (ug/L)	10.000	•	27.000	70.000	6.300	•	•	•	•	•		•		•				250,000
Petroleum Hydrocarbons (ug/L)	9.200	•	•	•	•		•	•	•	•		•						NS
Carbon Dioxide (ug/L)	105,000	•	48,000	70,000	45,000	84,000	51,000 H	61,000	65,000	•	•	•	•	•	•	•		NS
Dissolved Oxygen (mg/L)	2.1	2.93	1.89	3.0	1.1	1.36	1.04	1.26	1.33									NS

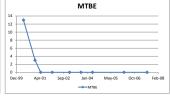




		Iron	(dissolv	/ed)		
8000						
7000		_	-	_		
6000		-/-		\rightarrow		
5000		-			<u> </u>	_
4000		_				_
3000	-/					
2000	-7-					
1000	-					
0 +			-	-		
Dec-99	Apr-01	Sep-02	Jan-04	May-05	Oct-06	Feb-08
		-	Iron (dissolv	ed)		

WELL ID: MW 4	BASELINE (May 2000)		(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS
Volatile Organics (ug/L)			•															Ī
MTBE	13	3	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	4.4	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	•		•	•	•	•	•	•	5
Ethylbenzene	22	2	2	ND	16	ND	1 J	2J	ND	•	•	•	•	•	•	•	•	5
m,p-Xylene	•	-	-	-	1	ND	ND	ND	ND	•	•	•	•		•	•	•	5 ²
O-Xylene	•	-	-	-	ND	ND	ND	ND	ND	•		•	•	•	•	•	•	5 ²
Xylenes (total)	13	ND	1	ND	1	ND	ND	ND	ND	•		•	•		•	•		5 ²
TOTAL BTEX	39.4	2	3	ND	17	ND	1	2	ND	•	•	•	•	•	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	8,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	250,000
Sodium	22,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)	•	•	1,360	1,330	3,480	•	•	307	14,600	•		•	•	•	•	•	•	300/500 ³
Iron (dissolved)	•	•	1,010	ND	2,740	61.0 B	635	55.1 B	199B	•		•	•	•	•	•	•	300/500 ³
Manganese								•		•				3600	280	3000	680	300/500 ³
Lead	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)	•	•	ND	3,200	ND	2400	530	450	960	•		•	•	•	•	•	•	
Sulfate (ug/L)	•	•	15,000	22,000	21,000	18,000	13,000	13,000	13,000	•		•	•	•		•	•	NS
TOC (ug/L)	•	•	14,000	13,000	44,000	•	•	•		•		•	•	•	•	•	•	250,000
Petroleum Hydrocarbons (ug/L)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)	•	•	55,000	40,000	55,000	21,000	65,000 H	98,000	91,000	•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	3.5	2.35	4.29	3.9	0.82	1.42	2	1.6	2.97	•	•	•		•	•	•		NS





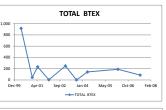


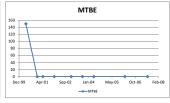


MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

WELL ID: MW 5	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARD
Volatile Organics (ug/L)																		
MTBE	150	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	14	ND	1	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	32	2	2	ND	2	ND	ND	1J	ND	•	•	•	•	•	•	•	•	5
Ethylbenzene	410	ND	ND	ND	150	ND	99	140	75	•	•	•	•	•	•	•	•	5
m,p-Xylene	•	-	-	-	93	ND	42	46	12	•	•	•	•	•	•	•	•	5²
O-Xylene		-	-	-	5	ND	2 J	3J	ND						•	•	•	5 ²
Xvlenes (total)	460	43	230	4	98	ND	44	49	12									5 ²
TOTAL BTEX	916	45	233	4	250	ND	143	190	87	٠	•	٠	٠	•	•	٠	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			10					•	•						•			NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	60,000	•		•		•	•	•	•	•		•	•	•	•	•	•	250,000
Sodium	32,000	•		•		•	•	•	•	•		•	•	•	•	•	•	20,000
Iron (total)			9.630	3.910	4.500			9770	9.830									300/500 ³
Iron (dissolved)			2.930	1.820	1,240	7.070	4,560	6.100	4,690									300/500 ³
Manganese			,	,	, .		,		•					3600	280	3000	680	300/500 ³
Lead	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)		•	ND	620	210	ND	ND	220	29						•	•	•	
Sulfate (ug/L)		•	17,000	12,000	16,000	42,000	8,500	ND	ND			•		•	•	•		NS
TOC (ug/L)		•	23,000	14,000	12,000	•	•	•	•			•		•	•	•		250,000
Petroleum Hydrocarbons (ug/L)		•	•	•	•	•		•	•			•		•	•	•		NS
Carbon Dioxide (ug/L)	•	•	68,000	12,000	28,000	100,000	73,000 H	74,000	ND	•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	3.4	3.09	6.12	9.0	1.6	1.19	1.73	1.23	1.52									NS

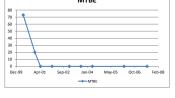


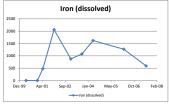


		Iron	(dissolv	red)		
8000						
7000			A			
6000			\wedge		_	
5000			$/ \sim$		\rightarrow	_
4000			_			_
3000	- 1	-				
2000	\rightarrow	_ /				_
1000	-	_				
0 +	-	-		-	-	
Dec-99	Apr-01	Sep-02	Jan-04	May-05	Oct-06	Feb-08
		-	Iron (dissolv	ed)		

WELL ID: MW 6	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS1
Volatile Organics (ug/L)						-												Ī
MTBE	73	20	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	7.9	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	7	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
Ethylbenzene	98	ND	ND	3	61	ND	88	16	100	•	•	•	•	•	•	•	•	5
m,p-Xylene	•	-	-	-	30	14	37	27	28	•	•	•	•	•	•	•	•	5 ²
O-Xylene	•	-	-	-	2	1	3 J	4J	3J	•	•	•	•	•	•	•	•	5 ²
Xylenes (total)	112	21	6	27	33	16	40	31	31	•	•	•	•	•	•	•	•	5 ²
TOTAL BTEX	224.9	21	6	30	94	16	128	47	131	•	•	•	•	•	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			ND	•		•	•	•	•	•	•	•	•	•	•	•	•	NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	40,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	250,000
Sodium	33,000	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	20,000
Iron (total)	•	•	1,720	2,410	2,750	•	•	4610	5,630	•	•	•	•	•	•	•	•	300/500 ³
Iron (dissolved)		•	475	2,060	874	1,080	1,620	1,270	593	•	•	•	•		•	•		300/500 ³
Manganese														3600	280	3000	680	300/500 ³
Lead	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)		•	ND	ND *	ND	ND	ND	ND	ND	•	•	•	•		•	•		NS
Sulfate (ug/L)		•	17,000	19,000	22,000	10,000	7,400	7,200	ND	•		•	•	•	•	•		250,000
TOC (ug/L)		•	17,000	25,000	ND	•	•	•	•	•	•	•	•	•	•	•	•	NS
Petroleum Hydrocarbons (ug/L)	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)	•	•	60,000	32,000	27,000	33,000	48,000	45,000	49,000	•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	3.1	6.05	4.1	3.5	0.89	1.41	2.9	3.3	1.57	•	•	•	•		•	•	•	NS







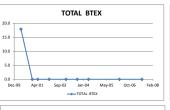


MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

Harrison Sub-Residency Spill Site

WELL ID: MW 7	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARD
Volatile Organics (ug/L)																		
MTBE	16	38	17	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	3.4	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	4	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
Ethylbenzene	5.7	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
m,p-Xylene	•	-	-	-	ND	ND	ND	ND	ND	•	•	•	•	•	•	•		5 ²
O-Xylene		-	-	-	ND	ND	ND	ND	ND	•			•			•		5 ²
Xvienes (total)	4.8	ND	ND	ND	ND	ND	ND	ND	ND	•			•			•		5 ²
TOTAL BTEX	17.9	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			ND					•	•	•			•			•		NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	40,000	•		•	•	•	•	•	•	•		•	•		•	•		250,000
Sodium	35,000	•		•	•	•	•	•	•	•		•	•		•	•		20,000
Iron (total)		•	2,700	30,000	3,080	•		3960	18,000	•			•			•		300/500 ³
Iron (dissolved)			1.880	4.020	2,380	2.190	2,640	1.600	165B									300/500 ³
Manganese			,	,	,	,	,		•					3600	280	3000	680	300/500 ³
Lead	•	•	•	•	•	•	•		•	•			•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)		•	ND	ND*	150	ND	160	330	ND	•			•			•		NS
Sulfate (ug/L)		•	15,000	38,000	20,000	8,200	13,000	11,000	7,400	•			•		•	•		250,000
TOC (ug/L)	•	•	16,000	21,000	11,000	•	•	•	•	•	•	•	•	•	•	•		NS
Petroleum Hydrocarbons (ug/L)	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•		NS
Carbon Dioxide (ug/L)	•	•	78,000	35,000	37,000	27,000	42,000	63,000	41,000	•	•		•	•	•	•		NS
Dissolved Oxygen (mg/L)	3.2	3.12	4.43	3.4	1.0	2.2	1.8	2.0	2.66	•								NS

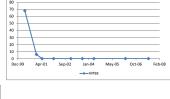




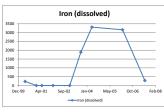
		Iron	(dissolv	ved)		
4500						
4000		A				
3500	/	_				
3000	-	\rightarrow				
2500		_	_^	_		
2000			~	$\overline{}$		
1500				_	<u> </u>	_
1000	-				\rightarrow	
500					\rightarrow	
0 +						-
Dec-99	Apr-01	Sep-02	Jan-04	May-05	Oct-06	Feb-08
		-	Iron (dissolv	ed)		

WELL ID: MW 8	BASELINE (May 2000)		(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS
Volatile Organics (ug/L)																		Ī
MTBE	68	6	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	110	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	26	ND	2	ND	ND	ND	2 J	ND	ND	•		•	•	•	•	•	•	5
Ethylbenzene	60	ND	ND	ND	2	1	41	2J	27	•	•	•	•	•	•	•	•	5
m,p-Xylene	160	-	-	-	1	ND	12	7	5	•		•	•	•	•	•	•	5 ²
O-Xylene	40	-	-	-	ND	ND	2 J	2J	2J	•			•	•	•	•	•	5 ²
Xylenes (total)	200	ND	34	7	1	ND	14	9	7						•	•		5 ²
TOTAL BTEX	396	ND	36	7	3	1	57	11	34	•	•	•	٠	•	٠	•	٠	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene	•		ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Napthalene	34		ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	5,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	250,000
Sodium	63,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)	8,600	•	545	4,370	3,320		•	7160	4,070	•		•	•	•	•	•	•	300/500 ³
Iron (dissolved)	230		ND	48.7 B	ND	1,890	3,310	3,160	282	•					•	•		300/500 ³
Manganese														3600	280	3000	680	300/500 ³
Lead	ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)	33	•	ND	ND *	190	ND	ND	120	28	•		•	•	•	•	•	•	NS
Sulfate (ug/L)	ND	•	31,000	ND	ND	ND	3,800	ND	ND	•		•	•	•	•	•	•	250,000
TOC (ug/L)	12,000	•	21,000	25,000	ND	•	•	•	•	•			•	•	•	•	•	NS
Petroleum Hydrocarbons (ug/L)	7,600	•	•	•	•	•	•	•		•		•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)	264,000	•	37,000	22,000	19,000	30,000	56,000	55,000	42,000	•			•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	1.5	6.3	4.6	4.5	0.89	0.88	2.18	3.13	1.96	•	•	•	•		•			NS





MTBE

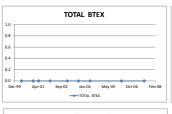


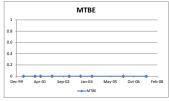


MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

WELL ID: MW 9	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARD
Volatile Organics (ug/L)																		
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
m,p-Xylene	•	-	-	-	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5 ²
O-Xylene		-	-	-	ND	ND	ND	ND	ND	•		•		•	•	•		5 ²
Xvlenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND									5 ²
TOTAL BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	•	•	•	٠	•	•	٠	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			2 J		•	•	•	•	•	•	•	•	•	•	•	•		NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	260,000	•	•		•	•	•	•	•	•	•	•	•	•	•	•		250,000
Sodium	160,000	•	•		•	•	•	•	•	•	•	•	•	•	•	•		20,000
Iron (total)		•	4,570	7.870	12,600			232	16.000	•						•		300/500 ³
Iron (dissolved)			ND	ND	ND	32 2 B	ND	44.9 B	450									300/500 ³
Manganese								•						3600	280	3000	680	300/500 ⁵
Lead		•			•	•	•		•			÷		•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)			ND	690	340	730	870	770	1.100									NS
Sulfate (ug/L)		·	21.000	23.000	19.000	12.000	12.000	17.000	19.000	·		·		:				250,000
TOC (ug/L)		·	18.000	15.000	9.000	12,000	.2,000	17,000	. 5,500			Ĭ						NS
Petroleum Hydrocarbons (ug/L)		·	0,000	13,000	9,000	:	:	·				Ĭ						NS
Carbon Dioxide (ug/L)		·	ND	ND *	ND	ND	ND	ND	ND	i i	·	·	·	Ï	i i	·	l :	NS
Dissolved Oxvaen (mg/L)	3.3	7.5	5.49	12.3	6.30	3.65	7.60	8 20	6.65							1 .		NS



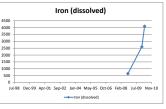


		Iron	(dissol	ved)		
500						
450						-
400					/	
350					/	
300						
250					-	
200					_/_	
150					-	
100					-	
50					/	
0 +	\rightarrow			-		
Dec-99	Apr-01	Sep-02	Jan-04	May-05	Oct-06	Feb-08
		-	Iron (dissol	ved)		

	BASELINE							(Oct 2005)										
WELL ID: MW 12						(Sept 2003)					(Jan 2010)					(April 2016)		
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	CLASS GA STANDARDS ¹
Volatile Organics (ug/L)																		STANDARDS
MTBE										ND	ND	ND	•	•	•	•	•	10
Benzene										ND	ND	ND	•	•	•	•	•	1
Toluene										ND	ND	ND	•	•	•	•	•	5
Ethylbenzene										23	4.1	3.4	•	•	•	•	•	5
m,p-Xylene										ND	ND	ND	•	•	•	•	•	5 ²
O-Xylene										ND	ND	ND	•	•	•	•	•	5 ²
Xylenes (total)										ND	ND	ND	•	•	•	•	•	5 ²
TOTAL BTEX										23	4.1	3.4	•	•	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene										•			•					NS
Napthalene										•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride										•			•	•	•	•	•	250,000
Sodium										•	•	•	•	•	•	•	•	20,000
Iron (total)										•			•	•	•	•	•	300/500 ³
Iron (dissolved)										650	2600	4100						300/500 ³
Manganese										•	•	•		3600	280	3000	680	300/500 ³
Lead									-	•			•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)						l				ND	0.35	ND	•	•	•	•	•	NS
Sulfate (ug/L)						l			1	5.6	19.0	13,000	•	•	•	•	•	250,000
TOC (ug/L)						l				•	•	•	•	•	•	•	•	NS
Petroleum Hydrocarbons (ug/L)						l				•	•	•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)						l			1	•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	1		1	1		l		l	1	1.10	2.61	4.51	•					NS





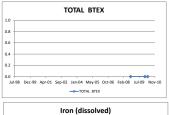




MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

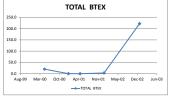
WELL ID: MW 13	BASELINE (May 2000) May-00		(May 2001) May-01			(Sept 2003) Sep-03		(Oct 2005)/ (Mar 2006) Mar-06	(July 2007) 1-Jul	(Oct 2008) Oct-08	(Jan 2010) Jan-10	(Apr 2011) Apr-10	(July 2012) Jul-12	(Oct 2013) Oct-13	(Jan 2015) Jan-15	(April 2016) Apr-16		NYSDEC CLASS GA STANDARDS	1.
Volatile Organics (ug/L)	may-uu	Jan-ut	iviay-u i	Jan-02	Jan-us	Sep-03	мау-04	War-ub	1-301	UCI-00	Jan-10	Apr-10	Jul-12	OCI-13	Jan-15	Apr-16	Jul-17	STANDANDS	0.1
MTBE										ND	ND	ND						10	1 0.
Benzene										ND	ND	ND	i			i :	i	1	0.
Toluene										ND	ND	ND				i :	i	5	
Ethylbenzene										ND	ND	ND						5	0.4
m,p-Xylene										ND	ND	ND			•			5 ²	0.3
O-Xvlene										ND	ND	ND						5 ²	1 0.2
Xylenes (total)										ND	ND	ND		i			i	5 ²	0.0
TOTAL BTEX										ND	ND	ND	·	- :	_ .	·		NS	Ш
Semi-volatile Org.(ug/L) 2-Methylnaphthalene Napthalene										:	:	:	:	:	:	:	:	NS NS	
Metals (ug/L) Chloride Sodium										:	:	:	:	:	:	:	:	250,000 20,000	0 0
Iron (total)																		300/500 ³	0
Iron (dissolved)															•			300/500 ³	1 0
Manganese														3600	280	3000	680	300/500 ³	0
Lead									•	i					•		•	25	0.
2000										•		•	Ť		•				0.
Other																			0
Nitrogen, Nitrate (ug/L)										0.46	1.5	1300	•	•	•	•	•	NS	1
Sulfate (ug/L)										13	23	25,000	•	•	•	•	•	250,000	1
TOC (ug/L)	1									•	•	•	•	•	•	•	•	NS	П
Petroleum Hydrocarbons (ug/L)	1									•	•	•	•	•	•	•	•	NS	l L
Carbon Dioxide (ug/L)	1									•	•	•	•	•	•	•	•	NS	1
Dissolved Oxygen (mg/L)		l	l	l	l			l		1.80	5.87	5.87		•	•			NS	1

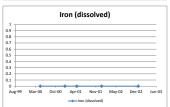


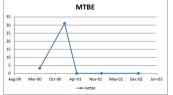


NS	Iron (disso
250,000 20,000 800/500 ³ 800/500 ³	1 0.9 0.8 0.7 0.6 0.5
25	0.3
NS 250,000 NS NS	Jul-98 Dec-99 Apr-01 Sep-02 Jan-04 May
NS NS	

WELL ID: SP 1	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016) (July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03		Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS
Volatile Organics (ug/L)						-												
MTBE	3.2	31	ND	ND	ND	•	•	•	•	•	•	•	•	•	•	•	•	10
Benzene	1.4	ND	ND	ND	ND	•	•	•	•	•	•	•	•	•	•	•	•	1
Toluene	3.7	ND	ND	ND	60	•	•	•	•	•	•	•	•	•	•	•	•	5
Ethylbenzene	4.0	ND	ND	2	22	•	•	•	•	•	•	•	•	•	•	•	•	5
m,p-Xylene	8.1	-		-	100		•	•		•	•	•	•	•	•	•	•	5 ²
O-Xylene	2.9	-	-	-	42	•	•	•	•	•	•	•	•	•	•	•	•	5 ²
Xylenes (total)	11.0	ND	ND	1	140		•	•	•	•	•	•		•	•	•	•	5 ²
TOTAL BTEX	20.1	ND	ND	3	222	•	•	•	•	•	•	•	•	٠	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	16,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	250,000
Sodium	45,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)		•	3,940	3,720	NA	•	•	•	•	•	•	•	•	•	•	•	•	300/500 ³
Iron (dissolved)	•	•	52.1 B	68.0 B	NA		•	•	•	•	•	•	•	•	•	•	•	300/500 ³
Manganese								•	•	•	•	•	•	3600	280	3000	680	300/500 ³
Lead	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)		•	ND*	160	NA	•	•	•	•	•	•	•	•	•	•	•	•	NS
Sulfate (ug/L)	•	•	48,000	46,000	NA	•	•	•	•	•	•	•	•	•	•	•	•	250,000
TOC (ug/L)	•	•	25,000	17,000	ND	•	•	•	•	•	•	•	•	•	•		•	NS
Petroleum Hydrocarbons (ug/L)	•	•	•	•	NA	•	•	•	•	•	•	•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)		•	18,000	19,000	NA	•	•	•	•	•	•	•	•	•	•		•	NS
Dissolved Oxygen (mg/L)	4.6	9.66	4.6	2.3	NA			•	•	•			•			•		NS





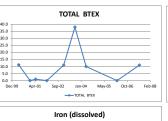


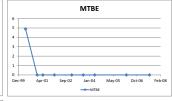


MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

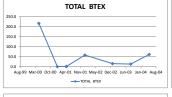
WELL ID: MW 10 B	BASELINE (May 2000)							(Oct 2005)/ (Mar 2006)		(Oct 2008)		(Apr 2011)						
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARD
Volatile Organics (ug/L)																		
MTBE	4.9	•	ND	NA	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	2.1	•	ND	NA	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	ND	•	ND	NA	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
Ethylbenzene	ND	•	1	NA	9	23	8	ND	9	•	•	•	•	•	•	•	•	5
m,p-Xylene	3.5	•	-	NA	2	15	2 J	ND	2J	•	•	•	•	•	•	•	•	5²
O-Xylene	5.6	•	-	NA	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5 ²
Xylenes (total)	9.1	•	ND	NA	2	15	2 J	ND	2	•	•	•	•	•	•	•	•	5 ²
TOTAL BTEX	11.2	•	1	NA	11	38	10	ND	11	•	•	•	•	٠	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			ND	NA	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Napthalene			ND	NA	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	34,000	•	•	NA	•	•	•	•	•	•	•	•	•	•	•	•	•	250,000
Sodium	27,000	•	•	NA	•	•	•	•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)		•	1.080	NA	1.190	•		1460	1.880	•			•		•			300/500 ³
Iron (dissolved)		•	32.8 B	NA	462	644	592	456	343	•								300/500 ³
Manganese									•					3600	280	3000	680	300/500 ³
Lead	•	•	•	NA	•	•	•		•	•	•	•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)		•	ND*	NA	ND	ND	120	ND	120	•								NS
Sulfate (ug/L)		•	27.000	NA.	19.000	9.000	12.000	12.000	8.100	•					•			250.000
TOC (ug/L)		•	14.000	NA.	9,400	•	•	•	•	•		•	•	•	•	•	•	NS
Petroleum Hydrocarbons (ug/L)		•	•	NA.	•	•	•	•	•	•		•	•	•	•		•	NS
Carbon Dioxide (ug/L)	•	•	39,000	NA	39,000	25,000	32,000	25,000	14,000	•	•	•	•	•	•		•	NS
Dissolved Oxygen (mg/L)	4.7		4.91	NA.	2.0	2.9	2.4	1.1	5.35									NS

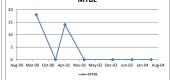


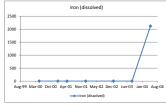


		Iron	(dissol	ved)		
700						
600						
500		/				
400					_	
300		_/_			_	•
200		_/_				
100		/				
0						
Dec-99	Apr-01	Sep-02	Jan-04	May-05	Oct-06	Feb-0
		-	Iron (dissol	red)		

WELL ID: SP 2	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	NYSDEC CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS
Volatile Organics (ug/L)																		Ī
MTBE	18	•	14	ND	ND	ND	ND	•	•	•	•	•	•	•	•	•	•	1
Benzene	19	•	ND	7	7	5	2 J	•	•	•	•	•	•	•	•	•	•	5
Toluene	25	•	ND	6	2	2	4 J	•		•	•	•	•	•	•	•	•	5
Ethylbenzene	110	•	1	42	ND	5	42	•		•	•	•	•	•	•	•	•	5 ²
m,p-Xylene	52	•	-	-	4	1	13	•	•	•	•	•	•	•	•	•	•	5 ²
O-Xylene	11	•	-	-	2	ND	ND	•		•		•	•		•	•	•	5 ²
Xylenes (total)	63	•	ND	3	6	1	13	•	•	•	•	•	•	•	•	•	•	NS
TOTAL BTEX	217.0	•	1	58	15	13	61	•	•	•	•	٠	•	•	•	•	٠	
Semi-volatile Org.(ug/L)																		NS
2-Methylnaphthalene			ND					•		•								NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Metals (ug/L)																		
Chloride	36,000							•		•								250,000
Sodium	75,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)		•	9,750	7,590	2,700	•		•		•		•	•		•	•	•	300/500 ³
Iron (dissolved)			ND	126 B	ND	166 B	2.120	•		•								300/500 ³
Manganese														3600	280	3000	680	300/500 ³
Lead	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)			ND*	100	ND	37	ND											NS
Sulfate (ug/L)			26.000	64.000	18,000	7.900	7.200	•		•								250,000
TOC (ug/L)			17.000	29,000	14,000	•	•			•								NS
Petroleum Hydrocarbons (ug/L)		•	•	•	•	•	•			•		•	•			•	•	NS
Carbon Dioxide (ug/L)	•	•	36,000	42,000	38,000	37,000	58,000	•		•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	2.5	•	3.1	4.0	1.0	1.47	1.7	•		•			•		•	•		NS









MONITORING WELL HISTORICAL DATA SUMMARY

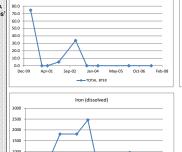
May 2000 to July 2017

Harrison Sub-Residency Spill Site

WELL ID: SP 3	BASELINE (May 2000) May-00	(Jan 2001) Jan-01	(May 2001) May-01	(Jan 2002) Jan-02	(Jan 2003) Jan-03	(Sept 2003) Sep-03	(May 2004) May-04	(Oct 2005)/ (Mar 2006) Mar-06	(July 2007) 1-Jul	(Oct 2008) Oct-08	(Jan 2010) Jan-10	(Apr 2011) Apr-10	(July 2012) Jul-12	(Oct 2013) Oct-13	(Jan 2015) Jan-15	(April 2016) Apr-16		NYSDEC CLASS GA STANDARDS
Volatile Organics (ug/L)	may-uu	Jan-u1	May-U1	Jan-uz	Jan-us	Sep-03	May-u4	Mar-u6	1-Jui	UCT-U8	Jan-10	Apr-10	Jul-12	UCt-13	Jan-15	Apr-16	Jul-17	STANDARDS
MTBE	38		7	ND	ND	ND	ND	ND	ND									10
Benzene	110		ND	ND	ND	ND ND	ND	ND ND	ND	Ĭ			·	Ĭ		·		10
Toluene	39		1	ND	ND	ND ND	ND	ND ND	ND	Ĭ			·	Ĭ		·		5
Ethylbenzene	200		ND.	ND	ND	ND.	ND	ND ND	31	Ĭ		:	·	Ĭ		·		5
m,p-Xylene	180		IND	ND.	ND	ND.	ND	ND ND	4J			Ť	·	Ť	Ť	·		5 ²
		•				ND ND				•	•	•	•	•	•	•	•	5 ²
O-Xylene	57	•	-	-	ND		ND	ND	3J	•	•	•	•	•	•	•	•	
Xylenes (total)	237	•	15	ND	ND	ND	ND	ND	7	•	•	•	•	•	•	•	•	5 ²
TOTAL BTEX	586.0	•	16	ND	ND	ND	ND	ND	38	•	•	•	•	•	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Napthalene			ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	6.000	•					•			•		•	•	•	•	•		250,000
Sodium	38,000	•	•		•	•	•		•	•		•	•	•	•	•		20,000
Iron (total)			2.970	1.060	133 B			3380	3,170	•								300/500 ³
Iron (dissolved)			ND	ND.	ND	116 B	384	891	572									300/500 ³
Manganese								•						3600	280	3000	680	300/500 ³
Lead								:	·	Ĭ			·	3000	200	\$	000	25
Leau	•	•	•	•	•	•	•		•	•		•	•	•	•	•		
Other																		
Nitrogen, Nitrate (ug/L)	•	•	ND*	100	ND	25	66	ND	ND	•	•	•	•	•	•	•	•	NS
Sulfate (ug/L)	•	•	56,000	16,000	19,000	5,900	22,000	ND	ND	•	•	•	•	•	•	•	•	250,000
TOC (ug/L)	•	•	11,000	18,000	41,000	•	•	•	•	•	•	•	•	•	•	•	•	NS
Petroleum Hydrocarbons (ug/L)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)	•	•	11,000	11,000	20,000	19,000	26,000	57,000	32,000	•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	3.4		4.21	5.7	1.1	1.7	2.2	1.05	3.27	•		•		•	•	•		NS



WELL ID: SP 4	BASELINE							(Oct 2005)/										NYSDEC
	(May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	(Oct 2013)	(Jan 2015)	(April 2016)	(July 2017)	CLASS GA
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARDS1
Volatile Organics (ug/L)																		
MTBE	24	•	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	10
Benzene	24	•	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	1
Toluene	3.8	•	ND	ND	ND	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
Ethylbenzene	35	•	ND	3	26	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5
m,p-Xylene	9.5	•	-	-	8	ND	ND	ND	ND	•	•	•	•	•	•	•	•	5 ²
O-Xylene	2.4	•	-	-	ND	ND	ND	ND	ND	•		•	•	•	•	•	•	5 ²
Xylenes (total)	11.9	•	ND	2	8	ND	ND	ND	ND	•		•	•	•	•	•	•	5 ²
TOTAL BTEX	74.7	•	ND	5	34	ND	ND	ND	ND	•	•	•	•	٠	•	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene		•	ND	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Napthalene		•	ND	•	•	•	•	•	•	•		•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride	16,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	250,000
Sodium	24,000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	20,000
Iron (total)	•	•	3,790	5,350	2,490	•	•	10,400	25,400	•	•	•	•	•	•	•	•	300/500 ³
Iron (dissolved)		•	602	1,810	1,810	2,460	44.5	953	326	•		•	•	•	•	•	•	300/500 ³
Manganese						-			•				•	3600	280	3000	680	300/500 ³
Lead		•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)	•	•	ND*	ND*	ND	ND	150	200	ND	•		•	•	•	•	•	•	NS
Sulfate (ug/L)	•	•	34,000	22,000	37,000	26,000	8,400	24,000	13,000	•	•	•	•	•	•	•	•	250,000
TOC (ug/L)	•	•	14,000	24,000	11,000	•	•	•	•	•	•	•	•	•	•	•	•	NS
Petroleum Hydrocarbons (ug/L)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Carbon Dioxide (ug/L)	•	•	39,000	24,000	31,000	26,000	23,000	39,000	ND	•	•	•	•	•	•	•	•	NS
Dissolved Oxygen (mg/L)	4.2	•	6.89	4.2	2.4	6.2	3.4	3.8	5.6	•	•	•	•	•	•	•	•	NS



Sep-02 Jan-04 May-05 Oct-06

TOTAL BTEX



MTBE

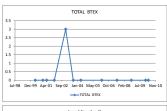
May-05 Oct-06

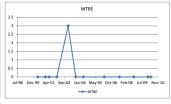
MONITORING WELL HISTORICAL DATA SUMMARY

May 2000 to July 2017

Harrison Sub-Residency Spill Site

WELL ID: GP 2	BASELINE (May 2000)							(Oct 2005)/ (Mar 2006)		(Oct 2008)						(April 2016)		NYSDEC CLASS G/
	May-00	Jan-01	May-01	Jan-02	Jan-03	Sep-03	May-04	Mar-06	1-Jul	Oct-08	Jan-10	Apr-10	Jul-12	Oct-13	Jan-15	Apr-16	Jul-17	STANDARD
Volatile Organics (ug/L)																		
MTBE	•	•	•	•	3	ND	ND	•	•	•	•	ND	•	•	•	•	•	10
Benzene	•	•	•	•	ND	ND	ND	•	•	•	•	ND	•	•	•	•	•	1
Toluene	•	•	•	•	ND	ND	ND	•	•	•	•	ND	•	•	•	•	•	5
Ethylbenzene	•	•	•	•	ND	ND	ND	•	•	•	•	ND	•	•	•	•	•	5
m,p-Xylene	•	•	•	•	ND	ND	ND	•	•	•	•	ND	•	•	•	•	•	5 ²
O-Xylene	•	•	•	•	ND	ND	ND	•	•	•	•	ND	•	•	•	•	•	5 ²
Xylenes (total)		•	•		ND	ND	ND		•	•	•	ND	•			•		5 ²
TOTAL BTEX	•	•	•	•	3	ND	ND	•	•	•	•	ND	•	•	٠	•	•	NS
Semi-volatile Org.(ug/L)																		
2-Methylnaphthalene		•	•						•	•	•	•	•			•		NS
Napthalene	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	NS
Metals (ug/L)																		
Chloride		•	•	•		•	•		•	•	•	•	•			•		250.00
Sodium	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	20,000
ron (total)		•																300/500
ron (dissolved)												ND.						300/500
Manganese		-	-	-	-		-							3600	280	3000	680	300/500
_ead		•					•	·	÷	÷	·	÷	·	•	÷	•	•	25
Other																		
Nitrogen, Nitrate (ug/L)	1											ND						NS
Sulfate (ug/L)		:	:	:	:	: :	:		:	:	:	21.000		:	:	:	: 1	250,00
FOC (ug/L)		:	:	:	:	: :	:		:	:	:	21,000		:	:		: 1	250,000 NS
Petroleum Hydrocarbons (ug/L)		:	:	:	:	: :	:		:	:	:			:	:		: 1	NS NS
Carbon Dioxide (ug/L)	:	:	:	:	:	: :	:	:	:	:	:			:	. :	:	: :	NS
Dissolved Oxygen (mg/L)		•	•	•	•	•	•	•	•	•	•	16.79	•	•	•		•	NS





0.1 0 Jul-98 Dec-99 Apr-01 Sep-02 Jan-04 May-05 Oct-06 Feb-08 Jul-09 Nov-10

J = Concentration below the reporting limit.

H = Analyzed outside of the holding time.

* Nitrogen, Nitrate was analyzed outside the recommended holding time for this sample and therefore the analytical results may be biased low

