



New Jersey Department of Environmental Protection
Site Remediation Program

Report Certifications for RCRA GPRA 2020, CERCLA, and Federal Facility Sites

These certifications are to be used for reports submitted for RCRA GPRA 2020, CERCLA, and Federal Facility Sites. The Department has developed guidance for report certifications for RCRA GPRA 2020, CERCLA, and Federal Facility Sites under traditional oversight. The "Person Responsible for Conducting the Remediation Information and Certification" is required to be submitted with each report. For those sites that are required or opt to use a Licensed Site Remediation Professional (LSRP) the report must also be certified by the LSRP using the "Licensed Site Remediation Professional Information and Statement". For additional guidance regarding the requirement for LSRPs at RCRA GPRA 2020, CERCLA and Federal Facility Sites see http://www.nj.gov/dep/srp/srra/training/matrix/quick_ref/rcra_cercla_fed_facility_sites.pdf.

Document:

- "UST 800-20 Site Investigation Report Addendum, Request for Unrestricted Use, No Further Action Approval, Fort Monmouth, Monmouth County, Oceanport, New Jersey" (21 November 2018)

PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION

Full Legal Name of the Person Responsible for Conducting the Remediation: William R. Colvin

Representative First Name: William Representative Last Name: Colvin

Title: Fort Monmouth BRAC Environmental Coordinator (BEC)

Phone Number: (732) 383-5104

Ext: _____

Fax: _____

Mailing Address: P.O. Box 148

City/Town: Oceanport

State: NJ

Zip Code: 07757

Email Address: william.r.colvin18.civ@mail.mil

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Signature: *William R. Colvin*

Date: 21 November 2018

Name/Title: William R. Colvin
BRAC Environmental Coordinator

Completed form should be sent to:

Mr. Ashish Joshi
New Jersey Department of Environmental Protection
Division of Remediation Management & Response
Bureau of Northern Field Operations
7 Ridgedale Avenue (2nd Floor)
Cedar Knolls, New Jersey 07927-1112



DEPARTMENT OF THE ARMY

OFFICE OF ASSISTANT CHIEF OF STAFF FOR INSTALLATION MANAGEMENT
U.S. ARMY FORT MONMOUTH
P.O. 148
OCEANPORT, NEW JERSEY 07757

21 November 2018

Mr. Ashish Joshi
New Jersey Department of Environmental Protection
Division of Remediation Management & Response
Northern Bureau of Field Operations
7 Ridgedale Avenue (2nd Floor)
Cedar Knolls, NJ 07927-1112

**SUBJECT: UST 800-20 Site Investigation Report Addendum
Request for Unrestricted Use, No Further Action Approval
Fort Monmouth, Monmouth County, Oceanport, New Jersey
PI G000000032**

Dear Mr. Joshi:

The U.S. Army Fort Monmouth (FTMM) Team has prepared this Site Investigation (SI) Report Addendum to present the results of resampling at former Underground Storage Tank (UST) 800-20. Monitor well PAR-56-800-20-MW-02 was resampled for benzo(a)anthracene in October 2018 to address New Jersey Department of Environmental Protection (the Department) comments (**Attachment A**) on the 15 June 2018 UST 800-20 Site Investigation Report.

Background

Former UST 800-20, a steel 1,000-gallon tank used to store No. 2 fuel oil, was removed in July 2003. Additional background information and the results of groundwater investigations conducted by the Army in 2016 to 2018 were presented in the 15 June 2018 UST 800-20 Site Investigation Report, which included a No Further Action request. The Department did not approve the request and required the collection of one additional groundwater sample at monitor well PAR-56-800-20-MW-02 to be analyzed for benzo(a)anthracene only (**Attachment A**).

2018 Groundwater Site Investigation Results

Polynuclear aromatic hydrocarbons (PAHs) such as benzo(a)anthracene have been encountered at other FTMM locations, and often PAH exceedances in groundwater are attributed to sample turbidity. Therefore, the well was purged and resampled as required by the Department (**Attachment B**). As shown on **Table 1**, benzo(a)anthracene was not detected in the sample collected at well PAR-56-800-20-MW-02 during the October 2018 sampling event.

Summary and Recommendations

Based on the results of the October 2018 groundwater sampling and analysis effort the Army has determined that further remedial efforts are not warranted, and an Unrestricted Use, NFA determination is requested for former UST 800-20.

Thank you for reviewing this request; we look forward to your approval and/or comments. Our technical Point of Contact is Kent Friesen at (732) 383-7201; kent.friesen@parsons.com. I can be reached at (732) 383-5104; william.r.colvin18.civ@mail.mil.

Sincerely,



William R. Colvin
BRAC Environmental Coordinator

cc: Ashish Joshi (e-mail and 2 hard copies)
William Colvin, BEC (e-mail and 1 hard copy)
Joseph Pearson, Calibre (e-mail)
James Moore, USACE (e-mail)
Jim Kelly, USACE (e-mail)
Joseph Fallon, FMERA (e-mail)
Cris Grill, Parsons (e-mail)

Attachments:

Table 1 – Ground Water Sampling Results for Permanent Wells – Comparison to NJDEP Ground Water Quality Criteria

Attachment A - Regulatory Correspondence

Attachment B – Groundwater Sampling Record and Field Notes

TABLE 1
GROUND WATER SAMPLING RESULTS for PERMANENT WELLS -
COMPARISON TO NJDEP GROUND WATER QUALITY CRITERIA
SITE AREA 800, AREA 800 AREA 800, AREA 800 AREA 800, AREA 800
FORT MONMOUTH, NEW JERSEY

Loc ID	NJ Ground Water Quality Criteria	PAR-56-800-20-MW-02		PAR-56-800-20-MW-02	
Sample ID		PAR-56-800-20-GW-MW-02-15		PAR-56-800-20-GW-MW-02-15	
Sample Date		1/17/2018		10/18/2018	
Filtered		Total		Total	
Volatile Organic Compounds (µg/l)					
1,1,1,2-Tetrachloroethane	1	< 0.75		NA	
1,1,1-Trichloroethane	30	< 0.75		NA	
1,1,1,2,2-Tetrachloroethane	1	< 0.75		NA	
1,1,2-Trichloroethane	3	< 0.75		NA	
1,1-Dichloroethane	50	< 0.75		NA	
1,1-Dichloroethene	1	< 0.75		NA	
1,1-Dichloropropene	100	< 0.75		NA	
1,2,3-Trichlorobenzene	100	< 0.75		NA	
1,2,3-Trichloropropane	0.03	< 2.5		NA	
1,2,4-Trichlorobenzene	9	< 0.75		NA	
1,2,4-Trimethylbenzene	100	< 0.75		NA	
1,2-Dibromo-3-chloropropane	0.02	< 2.5		NA	
1,2-Dibromoethane	0.03	< 0.75		NA	
1,2-Dichlorobenzene	600	< 0.75		NA	
1,2-Dichloroethane	2	< 0.75		NA	
1,2-Dichloropropane	1	< 0.75		NA	
1,3,5-Trimethylbenzene	100	< 0.75		NA	
1,3-Dichlorobenzene	600	< 0.75		NA	
1,3-Dichloropropane	100	< 0.75		NA	
1,4-Dichlorobenzene	75	< 0.75		NA	
2,2-Dichloropropane	100	< 0.75		NA	
2-Chlorotoluene	100	< 0.75		NA	
Acetone	6,000	3.9 J		NA	
Benzene	1	< 0.75		NA	
Bromobenzene	100	< 0.75		NA	
Bromochloromethane	100	< 0.75		NA	
Bromodichloromethane	1	< 0.75		NA	
Bromoform	4	< 0.75		NA	
Carbon tetrachloride	1	< 0.75		NA	
Chlorobenzene	50	< 0.75		NA	
Chlorodibromomethane	1	< 0.75		NA	
Chloroethane	5	< 0.75		NA	
Chloroform	70	< 0.75		NA	
Cis-1,2-Dichloroethene	70	< 0.75		NA	
Cis-1,3-Dichloropropene	1	< 0.75		NA	
Cymene	100	< 0.75		NA	
Dichlorodifluoromethane	1,000	< 0.75		NA	
Ethyl benzene	700	< 0.75		NA	
Hexachlorobutadiene	1	< 3.8		NA	
Isopropylbenzene	700	< 0.75		NA	
Meta/Para Xylene	1,000	< 1.5		NA	
Methyl bromide	10	< 0.75		NA	
Methyl butyl ketone	300	< 3.8		NA	
Methyl chloride	100	< 0.75		NA	
Methyl ethyl ketone	300	< 3.8		NA	
Methyl isobutyl ketone	100	< 3.8		NA	
Methyl Tertbutyl Ether	70	< 0.75		NA	
Methylene chloride	3	< 0.75		NA	
Naphthalene	300	< 0.75		NA	
n-Butylbenzene	100	< 0.75		NA	
Ortho Xylene	1,000	< 0.75		NA	
p-Chlorotoluene	100	< 0.75		NA	
Volatile Organic Compounds (µg/l)					
Propylbenzene	100	< 0.75		NA	
sec-Butylbenzene	100	< 0.75		NA	
Styrene	100	< 0.75		NA	
Tert Butyl Alcohol	100	< 12.5		NA	
tert-Butylbenzene	100	< 0.75		NA	
Tetrachloroethene	1	< 0.75		NA	
Toluene	600	< 0.75		NA	
Total Xylenes	1,000	< 2.3		NA	
Trans-1,2-Dichloroethene	100	< 0.75		NA	
Trans-1,3-Dichloropropene	1	< 0.75		NA	
Trichloroethene	1	< 0.75		NA	
Trichlorofluoromethane	2,000	< 0.75		NA	
Vinyl chloride	1	< 0.75		NA	

Loc ID	NJ Ground Water Quality Criteria	PAR-56-800-20-MW-02		PAR-56-800-20-MW-02	
Sample ID		PAR-56-800-20-GW-MW-02-15		PAR-56-800-20-GW-MW-02-15	
Sample Date		1/17/2018		10/18/2018	
Filtered		Total		Total	
TIC VOCs (µg/l)					
Total TICs	500	NA		NA	
Semivolatiles Organic Compounds (µg/l)					
1,2,4-Trichlorobenzene	9	< 0.95		NA	
1,2-Dichlorobenzene	600	< 0.95		NA	
1,2-Diphenylhydrazine	20	< 0.95		NA	
1,3-Dichlorobenzene	600	< 0.95		NA	
1,4-Dichlorobenzene	75	< 0.95		NA	
2,4,5-Trichlorophenol	700	< 2.9		NA	
2,4,6-Trichlorophenol	20	< 0.95		NA	
2,4-Dichlorophenol	20	< 0.95		NA	
2,4-Dimethylphenol	100	< 4.8		NA	
2,4-Dinitrophenol	40	< 7.6		NA	
2,4-Dinitrotoluene	10	< 0.95		NA	
2,6-Dinitrotoluene	10	< 0.95		NA	
2-Chloronaphthalene	600	< 0.95		NA	
2-Chlorophenol	40	< 1.9		NA	
2-Methylnaphthalene	30	< 0.95		NA	
2-Methylphenol	100	< 0.95		NA	
2-Nitroaniline	100	< 0.95		NA	
2-Nitrophenol	100	< 1.9		NA	
3,3'-Dichlorobenzidine	30	< 2.9		NA	
3-Nitroaniline	100	< 1.9		NA	
4,6-Dinitro-2-methylphenol	1	< 4.8		NA	
4-Bromophenyl phenyl ether	100	< 0.95		NA	
4-Chloro-3-methylphenol	100	< 0.95		NA	
4-Chloroaniline	30	< 0.95		NA	
4-Chlorophenyl phenyl ether	100	< 0.95		NA	
4-Nitroaniline	5	< 0.95		NA	
4-Nitrophenol	100	< 4.8		NA	
Acenaphthene	400	< 0.95		NA	
Acenaphthylene	100	< 0.95		NA	
Anthracene	2,000	< 0.95		NA	
Benzidine	20	< 28.6		NA	
Benzo(a)anthracene	0.1	0.19 J		<0.037 U	
Benzo(a)pyrene	0.1	< 0.95		NA	
Benzo(b)fluoranthene	0.2	0.13 J		NA	
Benzo(ghi)perylene	100	< 0.95		NA	
Benzo(k)fluoranthene	0.5	< 0.95		NA	
Benzyl alcohol	2,000	< 1.9		NA	
Bis(2-Chloroethoxy)methane	100	< 0.95		NA	
Bis(2-Chloroethyl)ether	7	< 0.95		NA	
Bis(2-Chloroisopropyl)ether	300	< 0.95		NA	
Bis(2-Ethylhexyl)phthalate	3	0.29 J		NA	
Butyl benzyl phthalate	100	0.16 J		NA	
Carbazole	100	< 0.95		NA	
Chrysene	5	< 0.95		NA	
Semivolatiles Organic Compounds (µg/l)					
Cresol	NLE	< 0.95		NA	
Dibenz(a,h)anthracene	0.3	< 0.95		NA	
Dibenzofuran	100	< 0.95		NA	
Diethyl phthalate	6,000	< 0.95		NA	
Dimethyl phthalate	100	< 0.95		NA	
Di-n-butylphthalate	700	0.17 J		NA	
Di-n-octylphthalate	100	0.13 J		NA	
Fluoranthene	300	< 0.95		NA	
Fluorene	300	< 0.95		NA	
Hexachlorobenzene	0.02	< 0.95		NA	
Hexachlorobutadiene	1	< 0.95		NA	
Hexachlorocyclopentadiene	40	< 1.9		NA	
Hexachloroethane	7	< 0.95		NA	
Indeno(1,2,3-cd)pyrene	0.2	< 0.95		NA	
Isophorone	40	< 0.95		NA	
Naphthalene	300	< 0.95		NA	
Nitrobenzene	6	< 1.9		NA	
N-Nitrosodimethylamine	0.8	< 1.9		NA	
N-Nitroso-di-n-propylamine	10	< 0.95		NA	
N-Nitrosodiphenylamine	10	< 1.9		NA	
Pentachlorophenol	0.3	< 7.6		NA	
Phenanthrene	100	< 0.95		NA	
Phenol	2,000	< 0.95		NA	
Pyrene	200	< 0.95		NA	
TIC SVOCs (µg/l)					
Total TICs	500	NA		NA	

Footnote:

1) Number of Analyses is the number of detected and non-detected results excluding rejected results. Sample duplicate pairs have not been averaged.

2) NLE = no limit established.

3) NA = Not Applicable

4) µg/l = micrograms per Liter

5) Bold chemical detection

6) SS = Site Specific action level, see "Specific Chemical Class (or Parameter)" footnote for details.

7) Chemical result qualifiers are assigned by the laboratory and are evaluated and modified (if necessary) during the data validation.

[blank] = detect, i.e. detected chemical result value.

U = non-detect, i.e. not detected at or above this value.

JN = Tentatively identified compound, estimated concentration.

J = estimated detected value due to a concentration below the reporting limit or due to discrepancies in meeting certain analyte-specific quality control.

UJ = The compound was not detected; however, the results is estimated because of discrepancies in meeting certain analyte-specific QC criteria.

8) Specific Chemical Classes (or Parameters) comments or notes regarding how data is displayed, compared to Action Levels, or represented in this table.

a) DELETE THIS NOTE BEFORE GOING FINAL: Refer to the NJDEP Protocol for Addressing Extractable Petroleum Hydrocarbons (Version 5.0, August 9, 2010) and the NJDEP Health Based and Ecological Screening Criteria for Petroleum Hydrocarbons (Version 4.0, August 9, 2010) to determine the category of tank being investigated and the appropriate cleanup standards or screening levels for that category of tank.

9) Chemical results greater than or equal to the action level (depending on criteria) are highlighted based on the Criteria that are present.

- Cell Shade values represent a result that is above the NJ Ground Water Quality Criteria

####

NJDEP Interim Specific GWQC values are presented for the NJ GWQS where there is not a Specific Ground Water Quality Criteria. A full list of compounds is available at (http://www.nj.gov/dep/wms/bwqsa/gwqs_interim_criteria_table.htm).

NJDEP Interim Generic GWQC values are presented for the NJ GWQS where there is not a XXXXX or a NJDEP Interim Specific GWQC. Available at (http://www.nj.gov/dep/wms/bwqsa/gwqs_interim_criteria_table.htm).

10) Criteria action level source document and web address.

- The NJ Ground Water Quality Criteria refers to the NJDEP Groundwater Quality Standards - Adopted July 22, 2010

<http://www.state.nj.us/dep/wms/bwqsa/docs/njac79C.pdf>

Attachment A

Regulatory Correspondence



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Site Remediation and Waste Management Program

BUREAU OF FIELD OPERATIONS

7 RIDGEDALE AVENUE

Cedar Knolls, New Jersey 07927

PHIL MURPHY
Governor

CATHERINE R. McCABE
Commissioner

SHEILA OLIVER
Lt. Governor

September 18, 2018

Mr. William R. Colvin
OACSIM – US Army Fort Monmouth
P O Box 148
Oceanport, NJ 07757

Re Site Investigation Report (SIR), Request for No Further Action - UST 800-20
Fort Monmouth, Oceanport, Monmouth County
Preferred ID: G000000032

Dear Mr. Colvin:

The New Jersey Department of Environmental Protection (Department) has completed review of the referenced SIR and a Request for No Further Action for UST 800-20. Based upon the review, the Department offers the following comments.

The SIR shows that an exceedance of benzo(a)anthracene occurred at one permanent monitor well PAR-56-800-20-MW-02 at concentration of 0.19 ppb, above the Department's Ground Water Quality Standard of 0.1 ppb. As a result, the Department cannot approve the request for No Further Action at this time.

The Department will require a collection of one ground water sample from well PAR-56-800-20-MW-02 using low flow sample collection technique. Please analyze this sample for benzo(a)anthracene only and submit the result of this sample to my attention for review.

Thank you and please feel free to contact me if you have any questions at 973-656-4427.

Sincerely,



A.J. Joshi

C: James Moore, USACE
Cristina Grill, Parsons
Joe Fallon, FMERA
File

Attachment B
Groundwater Sampling Record
and Field Notes

LOW FLOW GROUND WATER SAMPLING - DATA SHEET

SHEET 1 OF 2

PROJECT SITE/LOCATION: <u>FTM Oct 2018 GW / Oceanport NJ</u>						CONSULTING FIRM: <u>PARSONS</u>											
DATE: <u>10-18-18</u>						FIELD PERSONNEL: <u>KA</u>											
WEATHER: <u>Low SD / Cloudy</u>																	
MONITOR WELL #: <u>PAR-56-800-20-MW-22</u> WELL DEPTH: <u>20</u> feet						PUMP INTAKE DEPTH: <u>15</u> ft to TOC											
WELL PERMIT #: <u>E201713785</u> WELL DIAMETER: <u>2</u> inches						SCREENED/OPEN INTERVAL: <u>10-20</u> ft to TOC											
PID/FID READINGS:						GAUGING/PUMPING INFORMATION:						WATER QUALITY METER INFORMATION:					
BACKGROUND: <u>0</u> ppm						INITIAL DEPTH TO WATER (BEFORE PUMP INSTALLATION): <u>9.53</u> ft to TOC						INSTRUMENT MAKE/MODEL: <u>YSI 6922</u>					
BENEATH OUTER CAP: <u>0</u> ppm						DEPTH TO PRODUCT: <u>-</u> ft to TOC; PRODUCT THICKNESS: <u>-</u> ft						SERIAL #: <u>06F1850 AE</u>					
BENEATH INNER CAP: <u>0</u> ppm						MAKE/MODEL OF PUMP: <u>RED Bladder Pump 1.75"</u>						TEMP. CORRECTION VALUE: <u>-0.3</u>					

Time	PURGING	SAMPLING	pH (units)		SPECIFIC CONDUCTIVITY (mS/cm)		REDOX POTENTIAL (mV)		DISSOLVED OXYGEN (mg/L)		TURBIDITY (NTU)		TEMPERATURE (degrees C)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE	READING	CHANGE		
0820	X		5.49		0.132		164.9		1.59		100		14.60		250	9.80
0825	X		4.41		0.127		172.4		0.47		340		14.14		250	10.15
0830	X		4.21		0.125		180.5		0.74		255		14.54		250	10.02
0835	X		4.26		0.126		172.4		0.78		77.1		14.77		250	10.02
0840	X		4.30		0.126		167.9		0.66		83.0		14.90		250	10.02
0845	Y		4.33		0.128		163.6		0.70		91.9		14.51		250	10.02
0850	Y		4.34		0.128		161.0		0.55		77.5		14.40		250	10.02
0855	X		4.37		0.128		158.7		0.50		65.8		14.72		250	10.02
0900	X		4.38		0.129		156.6		0.50		50.1		14.38		250	10.02
0905	X		4.38		0.128		155.0		0.41		36.5		14.40		250	10.02
0910	X		4.39		0.128		153.9		0.50		34.0		14.41		250	10.02
0915	X		4.40		0.127		153.6		0.40		28.3		14.53		250	10.02
0920	X		4.41		0.127		152.2		0.46		23.4		14.51		250	10.02
0925	X		4.42		0.127		151.1		0.32		21.0		14.57		250	10.02
0930	X		4.41		0.126		151.3		0.33		18.8		14.28		250	10.02
0935	X		4.42		0.126		150.6		0.32		17.4		14.45		250	10.02
0940	X		4.44		0.126		149.7		0.35		16.1		14.76		250	10.02
0945	X		4.44		0.127		148.9		0.30		15.5		14.65		250	10.02
0950	X		4.45		0.127		148.0		0.38		14.5		14.67		250	10.02
0955	Y		4.45		0.127		148.2		0.41		14.1		14.86		250	10.02
1000	Y		4.47		0.128		146.8		0.41		13.2		14.90		250	10.02
1005	Y		4.47		0.128		146.2		0.41		12.9		15.04		250	10.02
1010	X		4.47		0.128		145.8		0.41		12.6		14.07		250	10.02
1015	X		4.45		0.126		146.6		0.40		12.5		13.58		250	10.02

SAMPLING INFORMATION:		QA/QC INFORMATION:		ADDITIONAL OBSERVATIONS/COMMENTS:	
Sample ID: <u>PAR-56-800-20-GW-MW-22-15</u>		Duplicate Collected?: <u>Yes</u>		Clarity: <u>Clear</u>	
Sample Time: <u>1100</u>		MS/MSD Collected?: <u>Yes</u>		Odor: <u>Faint Sulphur Odor</u>	
Comments: <u>-</u>		Filtering?: <u>N</u>		Other: <u>-</u>	

*INDICATOR PARAMETERS HAVE STABILIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN:
pH: ± 0.1 units ; Spec. Conductivity: ± 3% ; ORP: ± 10mV ; D.O.: ± 10% ; Turbidity: ± 10% (or <1 NTU) ; Temperature: ± 3% ; Water Level Change: < 0.3 ft

ANALYST NAME & SIGNATURE: <u>Karen McMillan</u>		DATE: <u>10-18-18</u>
REVIEWER NAME & SIGNATURE: <u>KA</u>		DATE: <u>-</u>

SHEET 2 OF 2

[illegible]

FTM Oct 2018 GW

10-17-18

Very high Turbidity in S65MW01D. Contact Julian Chamberl. Informed him that after 80 minutes of purging, Turbidity was consistent 1300+ NTU. Pump situated at 20' by 3 (Same as previous sample events) Decision made to pump full 2hrs, if high turbidity remains collect filtered metals sample

1210 - Sample FTM-68-GW-S65MW01D-20.0

Filtered Metals Sample FTM-68-GW-S66MW01D-20.0 Z

Z = Filtered Filter Used: High Capacity Polyether Sulfone Quick Filter

1255 - Setup + LFPS

Time	TDS (g/L)	Time	TDS (g/L)	Time	TDS (g/L)
1255	0.146	1320	0.145	1345	0.146
1300	0.147	1325	0.146		
1305	0.146	1330	0.146		
1310	0.146	1335	0.146		
1315	0.145	1340	0.146		

1345 - Sample FTM-68-GW-MW0762

1420 - Collect EB-20181012

1431 - ALS onsite, P/U sampler

1500 - KM off site

FTM Oct 2018 GW

10-18-18

Weather - Low 40's, Cloudy + Windy

Activity - LFPS

Equipment YSI, IP, Battery, MSD, GAC, PID, QED Bladder Pump, PFE, Hand tools

Personnel - KM - FA - Parsons

Activity

0710 - KM onsite, HSE, Calibrate equipment

0820 - Setup + LFPS PAR-56-800-20-MW-02

Time	TDS (g/L)	Time	TDS (g/L)	Time	TDS (g/L)	Time	TDS (g/L)
0820	0.090	0910	0.083	1000	0.083	1050	0.079
0825	0.083	0915	0.083	1005	0.083	1055	0.079
0830	0.081	0920	0.083	1010	0.082	1100	0.074
0835	0.082	0925	0.083	1015	0.082		
0840	0.082	0930	0.082	1020	0.081		
0845	0.084	0935	0.082	1025	0.082		
0850	0.083	0940	0.082	1030	0.081		
0855	0.083	0945	0.083	1035	0.079		
0900	0.084	0950	0.083	1040	0.079		
0905	0.083	0955	0.083	1045	0.079		

1100 - Sample PAR-56-800-20-GW-MW-02-15 (O/MS/MSD)

1200 - Sample Collect EB-20181018

Called off Pinc equipment @ 11:58. Conf #BRL6415

1300 - P/U equipment, Complete Paperwork, OFFSITE