

November 13, 2012

Information Technology Unit
California Regional Water Quality Control Board, Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

**Re: Transmittal of Third Quarter 2012 Groundwater Discharge Monitoring Report
NPDES No. CAG994004; Compliance File No. CI-7585
DFSP Norwalk Facility, 15306 Norwalk Boulevard, Norwalk, California**

In compliance with the subject NPDES Permit, Parsons is submitting this quarterly Discharge Monitoring Report (DMR) on behalf of the Defense Logistics Agency Energy for the subject reporting period.

NPDES DISCHARGE VOLUMES

The groundwater treatment system (GWTS) discharge volumes and field notes are summarized in Table 1. Periodic site visits were conducted to assess and optimize system operation and record operational data. During the subject quarter, 1,710,053 gallons of groundwater were processed and discharged. Other than discharge of treated groundwater to the permitted NPDES outfall, no groundwater was managed off-site as an investigation-derived waste.

There were no changes in the operation of the facility that have or would change the character, location, or volume of the groundwater discharge. A summary of the operational periods with dates and groundwater volumes processed is provided in Table 1.

DISCHARGE MONITORING RESULTS

Representative samples of treated groundwater were collected from the system effluent and analyzed for compounds as required by the Monitoring and Reporting Program (MRP).

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The GWTS operated continuously during this reporting period with the exception of routine system maintenance and site activities specified as follows:

- During the subject quarter and as referenced in Table 1, the GWTS was not in operation from July 2nd through July 12th due to groundwater monitoring.
- Power to the system was interrupted on August 17th following a local power failure and the system reset and restarted on August 20th.

The GWTS operated continuously during the remainder of this reporting period with the exception of system non-operation specified above.

Representative sample results indicate concentrations were below detection limits or did not exceed permit required discharge levels with the exception of arsenic. Arsenic was reportedly detected on July 26th (0.0507 mg/L), August 31st (0.0974 mg/L) and September 27th (0.0756 mg/L). The GWTS was shut down on October 24th to evaluate changes in the influent characterization and remedial options. Mr. Gensen Kai of RWQCB was notified by telephone on October 30, 2012 of the arsenic discharge exceedance in the effluent samples. As required by Section C.2 of the subject permit and discussed in the telephone conversation with Mr. Kai, a separate report will be prepared and submitted to RWQCB detailing the evaluation, measures, and associated schedule to be implemented to maintain compliance with the discharge limitation and permit requirements.

Following outcome of this evaluation and system modifications, the GWTS will be restarted and as required by permit representative discharge samples for arsenic will be collected on an accelerated sampling schedule (weekly) will be established per permit requirement until affirmation of consistent system compliance is re-established. The sample dates and summary of test results are provided in Table 2. A complete set of laboratory reports are provided in Attachment B.

VISUAL OBSERVATIONS

Based on the periodic inspections as documented in Attachment C and referenced in Table 1, the effluent stream was consistently clear and did not contain oil sheen, debris, or other particulate material. No odor has been detected in the effluent sample. Copies of the GWTS Monitoring Logs are provided in Attachment C.

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SUMMARY OF NON-COMPLIANCE

As indicated previously, arsenic concentrations in representative samples exceeded NPDES permit no. CAG994004 daily maximum discharge limit. The GWTS has been shut down and the cause of influent arsenic characterization and remedial options are under review. Pending system maintenance and modification, as presented in the previous section of this DMR, the GWTS will be restarted and arsenic concentrations will continue to be monitored closely on an accelerated sampling schedule to affirm compliance with the permit requirements.

LABORATORY CERTIFICATION

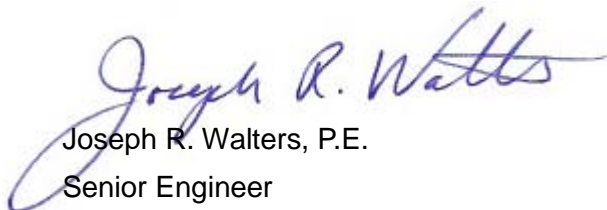
All analyses were conducted at a laboratory certified for such analyses by the Department of Health Services or approved by the Executive Officer and in accordance with current USEPA procedures or as specified in this Monitoring Program. The laboratory's quality control data is attached. A copy of the laboratory certification is provided in Attachment B.

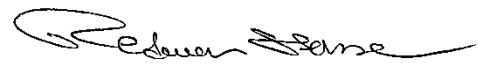
REPORT CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Executed on the 6th day of November 2012, at Pasadena, California.

Sincerely,


Joseph R. Walters, P.E.
Senior Engineer


Redwan Hassan
Project Manager

Third Quarter 2012 DMR
November 13, 2012

PARSONS as a duty authorized representative of the Defense Logistics Agency (DLA) Energy.

cc: Chris Berthaume, DLA-VA Document Depository
Jack O'Donovan, DLA-E
Paul Cho, RWQCB

Attachments

- Attachment A Tables
 - Table 1 Groundwater Treatment System Operational Data
 - Table 2 Analytical Results of Effluent Water Samples

- Attachment B Analytical Laboratory Reports and Electronic Submittal Confirmation

- Attachment C Groundwater Treatment System Monitoring Logs

ATTACHMENT A

Tables

Table 1
Groundwater Treatment System Operation Data
DFSP Norwalk
15306 Norwalk Boulevard, Norwalk, CA

Date	Outlet Totalizer (gals)	Monthly Flow (gals)	Comments
07/02/12	61,839,080	93,229	GWTS operating normally. System shut down for quarterly groundwater monitoring.
07/13/12	61,852,480	13,400	GWTS restarted July 12. GW-15/16 off line with electrical problem. Repairs pending.
07/16/12	61,886,280	33,800	GWTS operating normally. GW-15/16 off line with electrical problem. Repairs pending.
07/18/12	61,915,274	28,994	GWTS operating normally. GW-15 off line with electrical problem. Repairs pending.
07/20/12	61,952,205	36,931	GWTS operating normally. GW-15 off line with electrical problem. Repairs pending.
07/23/12	62,008,320	56,115	GWTS operating normally.
07/25/12	62,044,702	36,382	GWTS operating normally. Changed MX-7 and bag filters.
07/26/12	62,068,115	23,413	GWTS operating normally. Monthly NPDES compliance sample collected.
07/31/12	62,190,790	122,675	GWTS operating normally.
Jul '12	444,939	444,939	
08/06/12	62,342,610	151,820	GWTS operating normally.
08/08/12	62,391,308	48,698	GWTS operating normally.
08/09/12	62,412,820	21,512	GWTS operating normally.
08/10/12	62,431,290	18,470	GWTS operating normally.
08/13/12	62,503,495	72,205	GWTS operating normally.
08/15/12	62,543,570	40,075	GWTS operating normally.
08/17/12	62,588,100	44,530	GWTS operating normally.
08/21/12	62,611,020	22,920	GWTS operating normally.
08/22/12	62,633,905	22,885	GWTS operating normally. GW-13 off line with electrical problem. Repairs pending. Changed MX-7 filters.
08/24/12	62,676,640	42,735	GWTS operating normally. GW-13 off line with electrical problem. Repairs pending.
08/29/12	62,790,028	113,388	GWTS operating normally. GW-15 off line. Repairs pending.
08/30/12	62,809,690	19,662	GWTS operating normally.
08/31/12	62,827,973	18,283	GWTS operating normally. Quarterly NPDES compliance sample collected.
Aug-12	637,183	637,183	
09/04/12	62,924,133	96,160	GWTS operating normally.
09/05/12	62,948,319	24,186	GWTS operating normally.
09/07/12	62,996,148	47,829	GWTS operating normally.
09/10/12	63,068,218	72,070	GWTS operating normally.
09/12/12	63,115,915	47,697	GWTS operating normally.
09/14/12	63,159,700	43,785	GWTS operating normally.
09/17/12	63,229,190	69,490	GWTS operating normally.
09/19/12	63,271,817	42,627	GWTS operating normally.
09/20/12	63,293,800	21,983	GWTS operating normally.
09/25/12	63,411,270	117,470	GWTS operating normally.
09/27/12	63,455,904	44,634	GWTS operating normally. Monthly NPDES compliance sample collected.
Sep-12	627,931	627,931	
Total	1,710,053	1,710,053	18792 gpd Average Flow Rate for Quarter

Table 2
Analytical Results of Effluent Water Samples
DFSP Norwalk
15306 Norwalk Boulevard, Norwalk, California

Sampling Frequency		Monthly												Quarterly						Annually		
Analytical Method		SM4500 H+B	Field	8015B mod.	EPA8260B			SM5520B	EPA 6010B/EPA 6020					SM2130B	SM4500S2-D	SM4500-CL F	SM2540D	SM2540F	SM5540 C	EPA 420.1	EPA 405.1	EPA821R02012
Date	Sample Loc.	pH	Temp. °C	TPH µg/L	Benzene µg/L	MTBE µg/L	TBA µg/L	Oil & Grease mg/L	Copper mg/L	Arsenic mg/L	Lead mg/L	Zinc mg/L	Selenium mg/L	Turbidity NTU	Sulfide mg/L	Residual Chlorine mg/L	Total Suspended Solids mg/L	Settleable Solid mL/L/hr	MBAS mg/L	Phenols mg/L	BOD5 20°C mg/L	96 hr Fathead Minnow Survival %
GWTS was shut down from July 2nd to July 12th for quarterly groundwater monitoring																						
07/26/12	Effluent	7.21	22.5	ND<100	ND<0.50	ND<0.50	6.6	ND <1.0	ND <0.00100	0.0507	ND <0.00100	ND <0.00500	ND <0.00100	18	---	---	---	---	---	---	---	---
GWTS ceased operation on August 17th due to local power outage. GWTS reset and restarted on August 20th.																						
08/31/12	Effluent	7.31	26.1	ND<100	ND<0.50	ND<0.50	5.1	ND <1.0	0.00527	0.0974	ND <0.00100	0.0184	ND <0.00100	40	ND <0.050	ND <0.10	ND <1.0	ND <0.10	ND <0.10	ND <0.10	---	---
09/27/12	Effluent	6.31	23.1	ND<100	ND<0.50	ND<0.50	6.3	ND <1.0	0.00115	0.0756	ND <0.00100	0.0125	ND <0.00100	36	---	---	---	---	---	---	---	---
	RL	0.01	---	100	0.50	0.50	10	1.0	0.00100	0.00100	0.00100	0.00500	0.00100	1.0	0.050	0.10	1.0	0.10	0.10	0.10	1.0	---
	MDL	---	---	---	0.14	0.31	4.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Daily Maximum	within 6.5-8.5	100°F (38°C)	100	1	5	12	15	0.02	0.05	0.106	0.158	0.008	150	1	0.1	150	0.3	0.5	1	30	minimum 90%
	Monthly Average			--	--	--	--	10	0.01	--	0.053	0.079	0.004	50	--	--	50	0.1	--	--	20	--

Notes: Analytical method for metals analysis changed from EPA 6010B to EPA 6010 to obtain lower reporting limit.

* TPH as Diesel result, TPH as Gasoline not detected (reporting limit 100 ug/L)

Bold = Exceedance of standard
 -- = not analyzed/not applicable

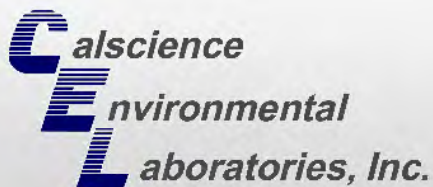
mg/L = milligram per liter
 µg/L = microgram per liter
 NTU = nephelometric turbidity units
 TPH = total petroleum hydrocarbon

MTBE = methyl-tert-butyl ether
 MBAS = methyl blue active substances (sufactants)

MDL = Method detection limit (or Reporting Limit if MDL not provided)
 ML= Minimum Reporting Limit (µg/L)

ATTACHMENT B

Analytical Laboratory Reports



CALSCIENCE

WORK ORDER NUMBER: 12-07-1516

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Parsons Government Services, Inc.

Client Project Name: DFSP Norwalk - Monthly

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Approved for release on 08/2/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.



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Client Project Name: DFSP Norwalk - Monthly

Work Order Number: 12-07-1516

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Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 07/26/12
 Work Order No: 12-07-1516
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Monthly

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-07-1516-1-I	07/26/12 09:40	Aqueous	GC 46	07/27/12	07/28/12 15:45	120727B07

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	88	68-140			

Method Blank	099-15-282-25	N/A	Aqueous	GC 46	07/27/12	07/28/12 11:29	120727B07
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	99	68-140			

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 07/26/12
Work Order No: 12-07-1516
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: DFSP Norwalk - Monthly

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-07-1516-1-E	07/26/12 09:40	Aqueous	GC 25	07/27/12	07/27/12 20:00	120727B01

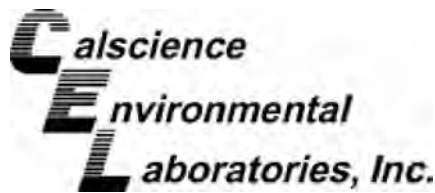
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	64	38-134			

Method Blank	099-12-247-6,045	N/A	Aqueous	GC 25	07/27/12	07/27/12 12:37	120727B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	60	38-134			

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RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 07/26/12
Work Order No: 12-07-1516
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Monthly

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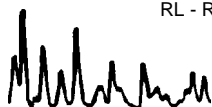
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-07-1516-1-B	07/26/12 09:40	Aqueous	GC/MS XX	07/27/12	07/27/12 13:00	120727L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

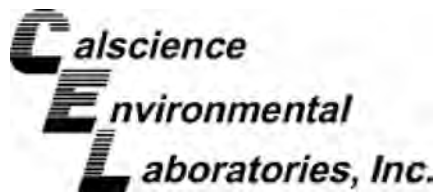
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	6.6	10	4.6	1	J
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	80-120		Dibromofluoromethane	103	80-126	
1,2-Dichloroethane-d4	110	80-134		Toluene-d8	94	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



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Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 07/26/12
Work Order No: 12-07-1516
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Monthly

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-8,354	N/A	Aqueous	GC/MS XX	07/27/12	07/27/12 12:01	120727L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

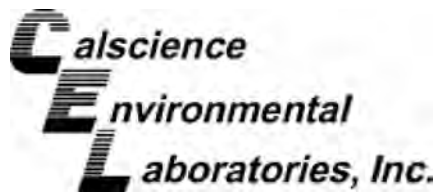
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	80-120		Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	106	80-134		Toluene-d8	100	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



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Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 07/26/12
 Work Order No: 12-07-1516
 Preparation: EPA 3020A Total
 Method: EPA 6020
 Units: mg/L

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-07-1516-1-G	07/26/12 09:40	Aqueous	ICP/MS 05	07/26/12	07/27/12 13:40	120726L02

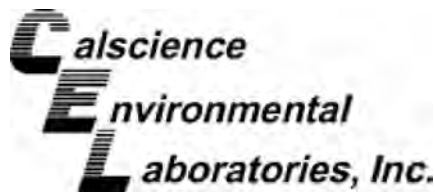
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0507	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	0.0111	0.00500	1	
Lead	ND	0.00100	1						

Method Blank	096-06-003-3,841	N/A	Aqueous	ICP/MS 05	07/26/12	07/26/12 20:22	120726L02
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 07/26/12
 Work Order No: 12-07-1516

Project: DFSP Norwalk - Monthly

Page 1 of 1

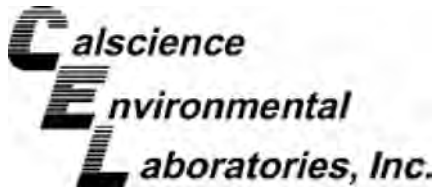
Client Sample Number	Lab Sample Number	Date Collected	Matrix
Effluent	12-07-1516-1	07/26/12	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Turbidity	18	1.0	1		NTU	N/A	07/26/12	SM 2130 B
pH	7.21	0.01	1		pH units	N/A	07/26/12	SM 4500 H+ B
Oil and Grease	ND	1.0	1		mg/L	08/02/12	08/02/12	SM 5520 B
Method Blank					N/A	Aqueous		

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease	ND	1.0	1		mg/L	08/02/12	08/02/12	SM 5520 B

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 07/26/12
 Work Order No: 12-07-1516
 Preparation: EPA 3005A Filt.
 Method: EPA 6020

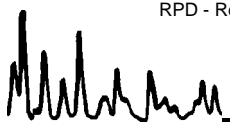
Project DFSP Norwalk - Monthly

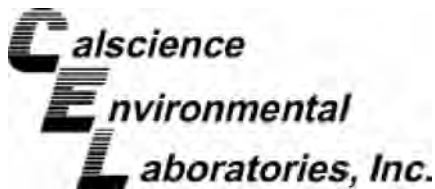
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-07-1321-1	Aqueous	ICP/MS 05	07/26/12	07/26/12	120726S02

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.08555	86	0.08640	86	73-127	1	0-11	
Copper	0.01746	0.1000	0.1154	98	0.1136	96	72-108	2	0-10	
Lead	0.001136	0.1000	0.1085	107	0.1084	107	79-121	0	0-10	
Selenium	ND	0.1000	0.07251	73	0.07141	71	59-125	2	0-12	
Zinc	0.02845	0.1000	0.1031	75	0.1103	82	43-145	7	0-39	

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PDSD



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received 07/26/12
 Work Order No: 12-07-1516
 Preparation: EPA 3005A Filt.
 Method: EPA 6020

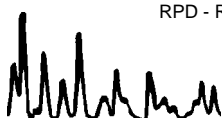
Project: DFSP Norwalk - Monthly

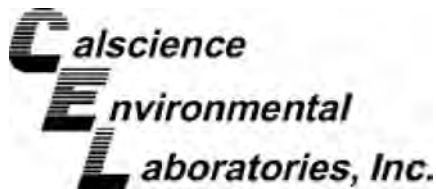
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
12-07-1321-1	Aqueous	ICP/MS 05	07/26/12	07/26/12	120726S02

Parameter	SAMPLE CONC	SPIKE ADDED	PDS CONC	PDS %REC	PDSD CONC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.08199	82	0.08466	85	75-125	3	0-11	
Copper	0.01746	0.1000	0.1118	94	0.1124	95	75-125	1	0-10	
Lead	0.001136	0.1000	0.1082	107	0.1110	110	75-125	3	0-10	
Selenium	ND	0.1000	0.07045	70	0.06927	69	75-125	2	0-12	5
Zinc	0.02845	0.1000	0.1052	77	0.1062	78	75-125	1	0-39	

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 07/26/12
 Work Order No: 12-07-1516
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

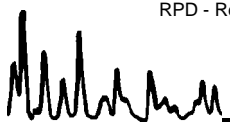
Project DFSP Norwalk - Monthly

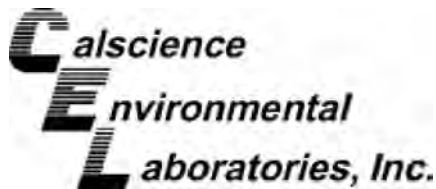
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-07-1492-3	Aqueous	GC 25	07/27/12	07/27/12	120727S01

<u>Parameter</u>	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1664	83	1479	74	68-122	12	0-18	

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 07/26/12
 Work Order No: 12-07-1516
 Preparation: EPA 5030C
 Method: EPA 8260B

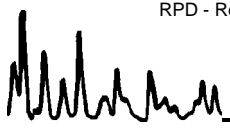
Project DFSP Norwalk - Monthly

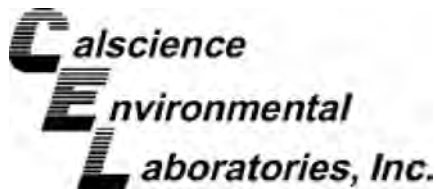
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Effluent	Aqueous	GC/MS XX	07/27/12	07/27/12	120727S01

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	51.99	104	53.53	107	78-120	3	0-20	
Carbon Tetrachloride	ND	50.00	56.43	113	58.40	117	67-139	3	0-20	
Chlorobenzene	ND	50.00	53.91	108	56.20	112	80-120	4	0-20	
1,2-Dibromoethane	ND	50.00	56.60	113	58.17	116	80-123	3	0-20	
1,2-Dichlorobenzene	ND	50.00	53.93	108	56.44	113	76-120	5	0-20	
1,2-Dichloroethane	ND	50.00	53.95	108	55.21	110	76-130	2	0-20	
1,1-Dichloroethene	ND	50.00	42.74	85	45.13	90	70-130	5	0-27	
Ethylbenzene	ND	50.00	57.42	115	59.85	120	73-127	4	0-20	
Toluene	ND	50.00	55.94	112	58.02	116	72-126	4	0-20	
Trichloroethene	ND	50.00	52.84	106	55.34	111	74-122	5	0-20	
Vinyl Chloride	ND	50.00	52.38	105	55.35	111	65-131	6	0-24	
p/m-Xylene	ND	100.0	115.1	115	120.1	120	70-130	4	0-30	
o-Xylene	ND	50.00	58.92	118	62.33	125	70-130	6	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	50.62	101	54.45	109	69-123	7	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	263.4	105	281.6	113	65-131	7	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	55.90	112	58.72	117	68-128	5	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	53.85	108	57.68	115	69-123	7	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	51.83	104	56.13	112	70-124	8	0-20	
Ethanol	ND	500.0	514.6	103	580.9	116	41-155	12	0-35	

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-07-1516

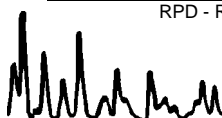
Project: DFSP Norwalk - Monthly

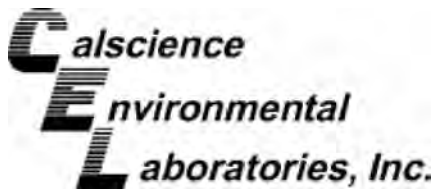
Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Turbidity	SM 2130 B	12-07-1511-1	07/26/12	0.93	0.94	1	0-25	
pH	SM 4500 H+ B	12-07-1519-1	07/26/12	9.21	9.24	0	0-25	

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-07-1516
 Preparation: EPA 3020A Total
 Method: EPA 6020

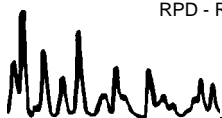
Project: DFSP Norwalk - Monthly

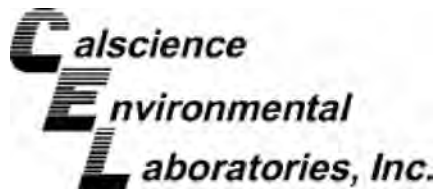
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-3,841	Aqueous	ICP/MS 05	07/26/12	07/26/12	120726L02

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.09816	98	0.09807	98	80-120	0	0-20	
Copper	0.1000	0.1056	106	0.1060	106	80-120	0	0-20	
Lead	0.1000	0.1012	101	0.1012	101	80-120	0	0-20	
Selenium	0.1000	0.09864	99	0.09791	98	80-120	1	0-20	
Zinc	0.1000	0.1029	103	0.1038	104	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-07-1516
 Preparation: N/A
 Method: SM 5520 B

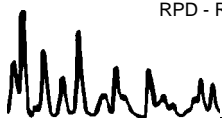
Project: DFSP Norwalk - Monthly

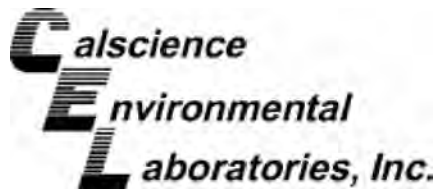
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-081-2,860	Aqueous	N/A	08/02/12	08/02/12	C0802OGL1

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Oil and Grease	40.0	39.6	99	38.3	96	80-120	3	0-20	

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RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-07-1516
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

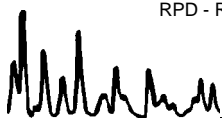
Project: DFSP Norwalk - Monthly

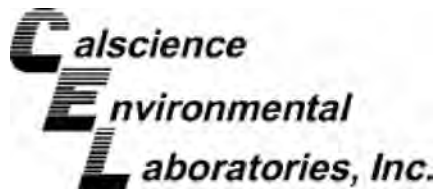
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-282-25	Aqueous	GC 46	07/27/12	07/28/12	120727B07

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	4141	104	3930	98	75-117	5	0-13	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-07-1516
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

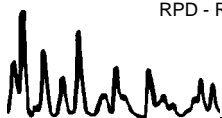
Project: DFSP Norwalk - Monthly

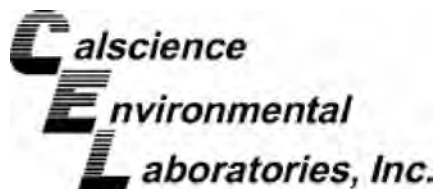
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-6,045	Aqueous	GC 25	07/27/12	07/27/12	120727B01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1606	80	1579	79	78-120	2	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-07-1516
Preparation: EPA 5030C
Method: EPA 8260B

Project: DFSP Norwalk - Monthly

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number					
099-14-001-8,354	Aqueous	GC/MS XX	07/27/12	07/27/12	120727L01					
Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	50.00	48.75	97	49.89	100	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	52.64	105	55.45	111	66-138	54-150	5	0-20	
Chlorobenzene	50.00	50.26	101	53.27	107	80-120	73-127	6	0-20	
1,2-Dibromoethane	50.00	52.28	105	56.45	113	80-120	73-127	8	0-20	
1,2-Dichlorobenzene	50.00	50.36	101	53.53	107	80-120	73-127	6	0-20	
1,2-Dichloroethane	50.00	48.52	97	51.15	102	80-129	72-137	5	0-20	
1,1-Dichloroethene	50.00	40.90	82	42.47	85	71-131	61-141	4	0-20	
Ethylbenzene	50.00	53.72	107	57.01	114	80-123	73-130	6	0-20	
Toluene	50.00	52.32	105	54.18	108	79-121	72-128	3	0-20	
Trichloroethene	50.00	49.70	99	52.09	104	80-120	73-127	5	0-20	
Vinyl Chloride	50.00	55.26	111	49.46	99	70-136	59-147	11	0-20	
p/m-Xylene	100.0	110.2	110	115.8	116	75-125	67-133	5	0-25	
o-Xylene	50.00	55.84	112	59.18	118	75-125	67-133	6	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	45.87	92	50.17	100	72-126	63-135	9	0-22	
Tert-Butyl Alcohol (TBA)	250.0	247.0	99	265.8	106	71-125	62-134	7	0-25	
Diisopropyl Ether (DIPE)	50.00	50.57	101	55.10	110	69-129	59-139	9	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	49.30	99	53.93	108	69-129	59-139	9	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	47.77	96	52.33	105	67-133	56-144	9	0-20	
Ethanol	500.0	506.5	101	526.1	105	47-155	29-173	4	0-36	

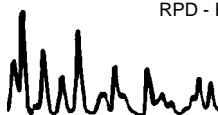
Total number of LCS compounds : 19

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

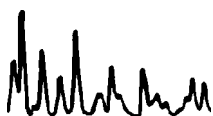


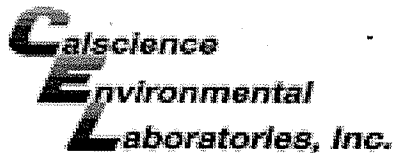
Work Order Number: 12-07-1516

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number





WORK ORDER #: 12-07-1516

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 07/26/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.3 °C - 0.3 °C (CF) = 2.0 °C [X] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____).

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

[] Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: [] Air [] Filter

Initial: AM

CUSTODY SEALS INTACT:

[] Cooler [] _____ [] No (Not Intact) [X] Not Present [] N/A

Initial: AM

[] Sample [] _____ [] No (Not Intact) [X] Not Present

Initial: TS

SAMPLE CONDITION:

Table with 4 columns: Description, Yes, No, N/A. Rows include Chain-Of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, etc.

CONTAINER TYPE:

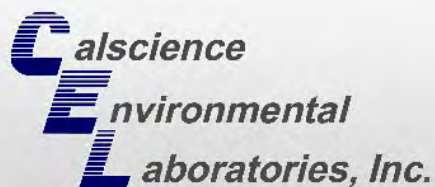
Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____
Water: [] VOA [X] VOAh [] VOAna2 [] 125AGB [] 125AGBh [] 125AGBp [] 1AGB [] 1AGBna2 [X] 1AGBs
[] 500AGB [X] 500AGJ [] 500AGJs [] 250AGB [] 250CGB [] 250CGBs [] 1PB [] 1PBna [X] 500PB
[] 250PB [X] 250PBn [] 125PB [] 125PBzanna [] 100PJ [] 100PJna2 [] _____ [] _____ [] _____

Air: [] Tedlar® [] Summa® Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: TS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: WIC

Preservative: h: HCL n: HNO3 na2:Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure zanna: ZnAc2+NaOH f: Filtered Scanned by: WIC





CALSCIENCE

WORK ORDER NUMBER: 12-08-2227

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Parsons Government Services, Inc.

Client Project Name: DFSP Norwalk - Quarterly

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Approved for release on 09/11/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



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Client Project Name: DFSP Norwalk - Quarterly

Work Order Number: 12-08-2227

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Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 08/31/12
 Work Order No: 12-08-2227
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Quarterly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-08-2227-1-I	08/31/12 09:20	Aqueous	GC 45	09/04/12	09/05/12 04:41	120904B05

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	98	68-140			

Method Blank	099-15-282-38	N/A	Aqueous	GC 45	09/04/12	09/05/12 03:40	120904B05
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	100	68-140			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 08/31/12
 Work Order No: 12-08-2227
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Quarterly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-08-2227-1-F	08/31/12 09:20	Aqueous	GC 24	09/04/12	09/04/12 16:38	120904B01

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	100	1		ug/L

<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>
1,4-Bromofluorobenzene	77	38-134	

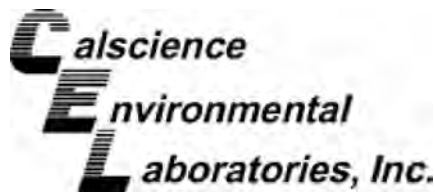
Method Blank	099-12-247-6,105	N/A	Aqueous	GC 24	09/04/12	09/04/12 13:18	120904B01
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
TPH as Gasoline	ND	100	1		ug/L

<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>
1,4-Bromofluorobenzene	76	38-134	

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 08/31/12
Work Order No: 12-08-2227
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Quarterly

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-08-2227-1-A	08/31/12 09:20	Aqueous	GC/MS Q	09/01/12	09/01/12 18:47	120901L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

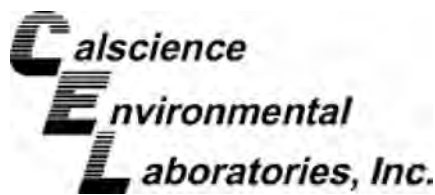
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	5.1	10	4.6	1	J
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	95	80-126	
1,2-Dichloroethane-d4	106	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Return to Contents



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 08/31/12
Work Order No: 12-08-2227
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Quarterly

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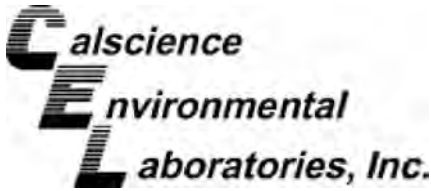
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-8,671	N/A	Aqueous	GC/MS Q	09/01/12	09/01/12 11:28	120901L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations \geq to the MDL (DL) but $<$ RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	80-120		Dibromofluoromethane	100	80-126	
1,2-Dichloroethane-d4	97	80-134		Toluene-d8	98	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 08/31/12
 Work Order No: 12-08-2227
 Preparation: EPA 3020A Total
 Method: EPA 6020
 Units: mg/L

Project: DFSP Norwalk - Quarterly

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Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-08-2227-1-J	08/31/12 09:20	Aqueous	ICP/MS 03	09/04/12	09/05/12 01:22	120904L04

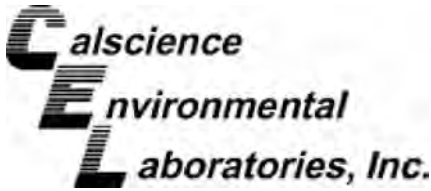
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0974	0.00100	1		Selenium	ND	0.00100	1	
Copper	0.00527	0.00100	1		Zinc	0.0184	0.00500	1	
Lead	ND	0.00100	1						

Method Blank	096-06-003-3,886	N/A	Aqueous	ICP/MS 03	09/04/12	09/05/12 00:41	120904L04
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 08/31/12
Work Order No: 12-08-2227

Project: DFSP Norwalk - Quarterly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Effluent	12-08-2227-1	08/31/12	Aqueous

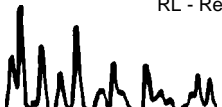
Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total	ND	0.10	1		mg/L	09/07/12	09/07/12	EPA 420.1
Turbidity	40	1.0	1		NTU	N/A	08/31/12	SM 2130 B
Solids, Total Suspended	7.0	1.0	1		mg/L	09/04/12	09/04/12	SM 2540 D
Solids, Settleable	ND	0.10	1		mL/L/hr	08/31/12	08/31/12	SM 2540 F
pH	7.31	0.01	1		pH units	N/A	08/31/12	SM 4500 H+ B
Sulfide, Total	ND	0.050	1		mg/L	09/04/12	09/04/12	SM 4500 S2 - D
Chlorine, Total Residual	ND	0.10	1		mg/L	N/A	08/31/12	SM 4500-CI F
Oil and Grease	ND	1.0	1		mg/L	09/06/12	09/06/12	SM 5520 B
MBAS	ND	0.10	1		mg/L	08/31/12	08/31/12	SM 5540C

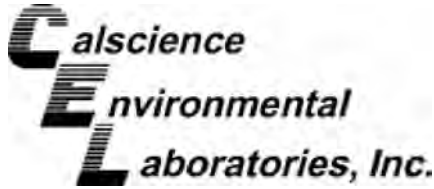
Method Blank					N/A			Aqueous
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Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Phenolics, Total	ND	0.10	1		mg/L	09/07/12	09/07/12	EPA 420.1
Solids, Total Suspended	ND	1.0	1		mg/L	09/04/12	09/04/12	SM 2540 D
Sulfide, Total	ND	0.050	1		mg/L	09/04/12	09/04/12	SM 4500 S2 - D
Chlorine, Total Residual	ND	0.10	1		mg/L	N/A	08/31/12	SM 4500-CI F
Oil and Grease	ND	1.0	1		mg/L	09/06/12	09/06/12	SM 5520 B
MBAS	ND	0.10	1		mg/L	08/31/12	08/31/12	SM 5540C

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 08/31/12
 Work Order No: 12-08-2227
 Preparation: EPA 3005A Filt.
 Method: EPA 6020

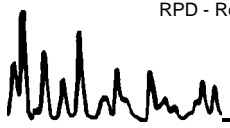
Project DFSP Norwalk - Quarterly

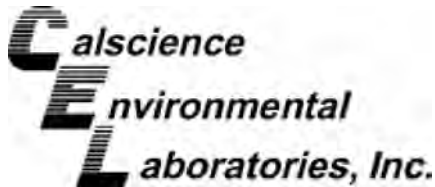
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-08-2121-3	Aqueous	ICP/MS 03	09/04/12	09/05/12	120904S04

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.007929	0.1000	0.1181	110	0.1171	109	73-127	1	0-11	
Copper	0.02369	0.1000	0.1155	92	0.1131	89	72-108	2	0-10	
Lead	ND	0.1000	0.09969	100	0.1004	100	79-121	1	0-10	
Selenium	0.005259	0.1000	0.1168	112	0.1188	114	59-125	2	0-12	
Zinc	0.03090	0.1000	0.1248	94	0.1400	109	43-145	11	0-39	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PDSD



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received 08/31/12
 Work Order No: 12-08-2227
 Preparation: EPA 3005A Filt.
 Method: EPA 6020

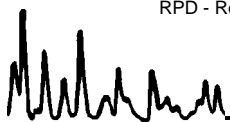
Project DFSP Norwalk - Quarterly

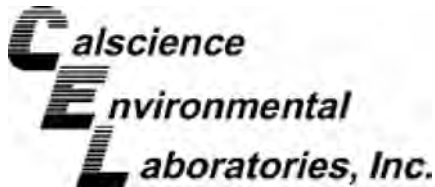
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDS Batch Number
12-08-2121-3	Aqueous	ICP/MS 03	09/04/12	09/05/12	120904S04

Parameter	SAMPLE CONC	SPIKE ADDED	PDS CONC	PDS %REC	%REC CL	Qualifiers
Arsenic	0.007929	0.5000	0.5220	103	75-125	
Copper	0.02369	0.5000	0.4064	77	75-125	
Lead	ND	0.5000	0.4674	93	75-125	
Selenium	0.005259	0.5000	0.5743	114	75-125	
Zinc	0.03090	0.5000	0.4198	78	75-125	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 08/31/12
 Work Order No: 12-08-2227
 Preparation: N/A
 Method: SM 5540C

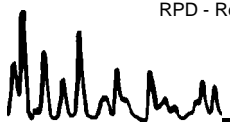
Project DFSP Norwalk - Quarterly

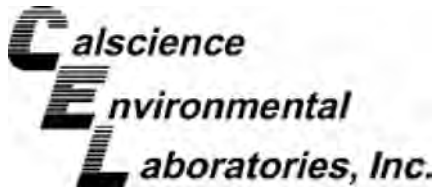
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Effluent	Aqueous	UV 8	08/31/12	08/31/12	C0831SURS1

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
MBAS	ND	1.0	0.92	92	0.94	94	70-130	2	0-25	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 08/31/12
 Work Order No: 12-08-2227
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

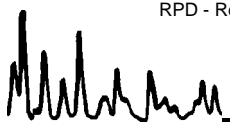
Project DFSP Norwalk - Quarterly

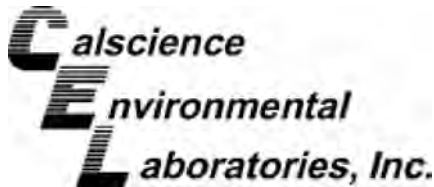
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-08-2252-2	Aqueous	GC 24	09/04/12	09/04/12	120904S01

<u>Parameter</u>	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1584	79	1559	78	68-122	2	0-18	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 08/31/12
 Work Order No: 12-08-2227
 Preparation: EPA 5030C
 Method: EPA 8260B

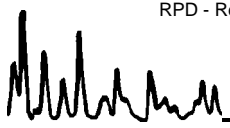
Project DFSP Norwalk - Quarterly

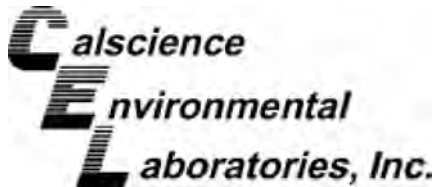
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-08-2195-2	Aqueous	GC/MS Q	09/01/12	09/01/12	120901S01

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	48.08	96	48.59	97	78-120	1	0-20	
Carbon Tetrachloride	ND	50.00	42.97	86	43.30	87	67-139	1	0-20	
Chlorobenzene	ND	50.00	50.04	100	50.62	101	80-120	1	0-20	
1,2-Dibromoethane	ND	50.00	47.75	95	50.54	101	80-123	6	0-20	
1,2-Dichlorobenzene	ND	50.00	49.86	100	49.98	100	76-120	0	0-20	
1,2-Dichloroethane	ND	50.00	45.48	91	46.31	93	76-130	2	0-20	
1,1-Dichloroethene	ND	50.00	41.82	84	42.42	85	70-130	1	0-27	
Ethylbenzene	ND	50.00	49.87	100	51.41	103	73-127	3	0-20	
Toluene	ND	50.00	49.89	100	49.80	100	72-126	0	0-20	
Trichloroethene	ND	50.00	47.39	95	47.34	95	74-122	0	0-20	
Vinyl Chloride	ND	50.00	46.98	94	53.66	107	65-131	13	0-24	
p/m-Xylene	ND	100.0	100.7	101	101.8	102	70-130	1	0-30	
o-Xylene	ND	50.00	48.74	97	49.79	100	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	44.24	88	45.54	91	69-123	3	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	214.6	86	239.4	96	65-131	11	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	48.20	96	49.50	99	68-128	3	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	47.45	95	47.93	96	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	47.56	95	48.23	96	70-124	1	0-20	
Ethanol	ND	500.0	462.4	92	546.6	109	41-155	17	0-35	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-08-2227

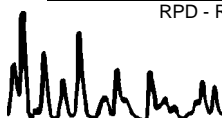
Project: DFSP Norwalk - Quarterly

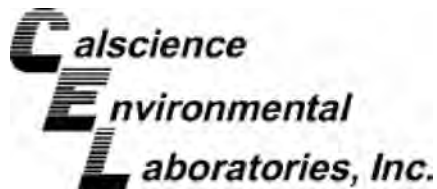
Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chlorine, Total Residual	SM 4500-Cl F	Effluent	08/31/12	ND	ND	NA	0-25	
Turbidity	SM 2130 B	Effluent	08/31/12	40	40	0	0-25	
pH	SM 4500 H+ B	12-08-2223-4	08/31/12	7.77	7.71	1	0-25	
Sulfide, Total	SM 4500 S2 - D	12-08-2045-1	09/04/12	ND	ND	NA	0-25	
Solids, Total Suspended	SM 2540 D	12-08-2262-1	09/04/12	607	563	8	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-08-2227
 Preparation: EPA 3020A Total
 Method: EPA 6020

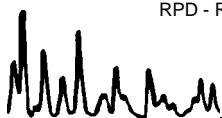
Project: DFSP Norwalk - Quarterly

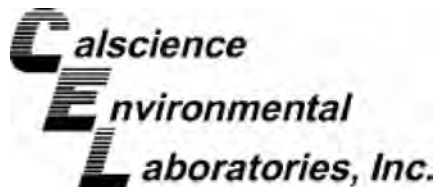
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-3,886	Aqueous	ICP/MS 03	09/04/12	09/05/12	120904L04

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.1016	102	0.1031	103	80-120	1	0-20	
Copper	0.1000	0.1060	106	0.1061	106	80-120	0	0-20	
Lead	0.1000	0.1001	100	0.1019	102	80-120	2	0-20	
Selenium	0.1000	0.09578	96	0.09491	95	80-120	1	0-20	
Zinc	0.1000	0.1061	106	0.1021	102	80-120	4	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-08-2227
 Preparation: N/A
 Method: EPA 420.1

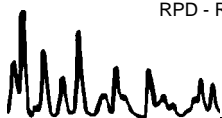
Project: DFSP Norwalk - Quarterly

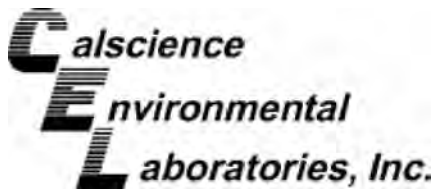
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-085-2,568	Aqueous	UV 8	09/07/12	09/07/12	C0907PHEL1

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Phenolics, Total	0.50	0.48	96	0.47	94	80-120	2	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-08-2227
 Preparation: N/A
 Method: SM 5540C

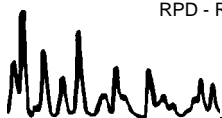
Project: DFSP Norwalk - Quarterly

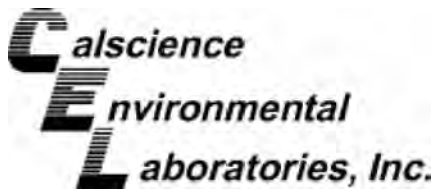
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-093-2,399	Aqueous	UV 8	08/31/12	08/31/12	C0831SURL1

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
MBAS	1.0	0.98	98	0.98	98	80-120	0	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-08-2227
 Preparation: N/A
 Method: SM 5520 B

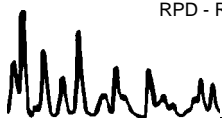
Project: DFSP Norwalk - Quarterly

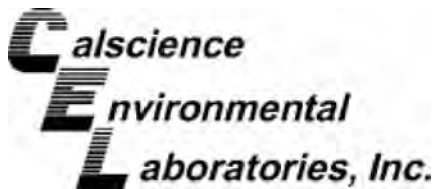
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-081-2,866	Aqueous	N/A	09/06/12	09/06/12	C0906OGL1

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Oil and Grease	40.0	39.3	98	38.8	97	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-08-2227
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

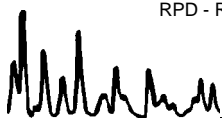
Project: DFSP Norwalk - Quarterly

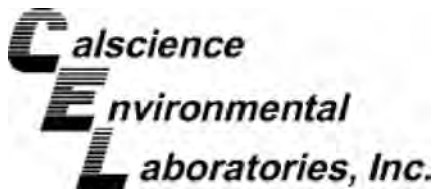
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-282-38	Aqueous	GC 45	09/04/12	09/05/12	120904B05

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	4097	102	4289	107	75-117	5	0-13	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-08-2227
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

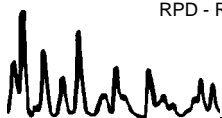
Project: DFSP Norwalk - Quarterly

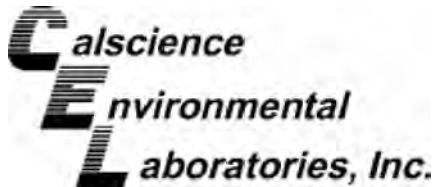
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-247-6,105	Aqueous	GC 24	09/04/12	09/04/12	120904B01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	2068	103	2082	104	78-120	1	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-08-2227
Preparation: EPA 5030C
Method: EPA 8260B

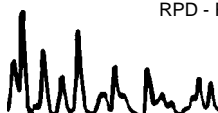
Project: DFSP Norwalk - Quarterly

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number					
099-14-001-8,671	Aqueous	GC/MS Q	09/01/12	09/01/12	120901L01					
Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>ME CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Benzene	50.00	47.44	95	48.25	97	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	42.11	84	40.88	82	66-138	54-150	3	0-20	
Chlorobenzene	50.00	49.92	100	50.37	101	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	47.15	94	50.20	100	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	50.00	49.60	99	49.45	99	80-120	73-127	0	0-20	
1,2-Dichloroethane	50.00	43.87	88	43.84	88	80-129	72-137	0	0-20	
1,1-Dichloroethene	50.00	41.93	84	41.06	82	71-131	61-141	2	0-20	
Ethylbenzene	50.00	51.03	102	51.15	102	80-123	73-130	0	0-20	
Toluene	50.00	49.13	98	49.52	99	79-121	72-128	1	0-20	
Trichloroethene	50.00	46.28	93	48.22	96	80-120	73-127	4	0-20	
Vinyl Chloride	50.00	54.11	108	51.59	103	70-136	59-147	5	0-20	
p/m-Xylene	100.0	103.1	103	103.2	103	75-125	67-133	0	0-25	
o-Xylene	50.00	50.54	101	50.25	100	75-125	67-133	1	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	42.35	85	42.51	85	72-126	63-135	0	0-22	
Tert-Butyl Alcohol (TBA)	250.0	204.3	82	225.8	90	71-125	62-134	10	0-25	
Diisopropyl Ether (DIPE)	50.00	47.82	96	46.51	93	69-129	59-139	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	45.77	92	45.27	91	69-129	59-139	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	45.67	91	46.75	94	67-133	56-144	2	0-20	
Ethanol	500.0	564.2	113	543.6	109	47-155	29-173	4	0-36	

Total number of LCS compounds : 19
 Total number of ME compounds : 0
 Total number of ME compounds allowed : 1
 LCS ME CL validation result : Pass

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RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 12-08-2227

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number



CHAIN OF CUSTODY RECORD

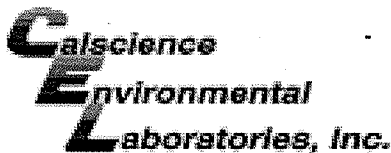
DATE: 8-31-12
 PAGE: 1 OF 1

7440 LINCOLN WAY
 GARDEN GROVE, CA 92841-1432
 TEL: (714) 895-5494 . FAX: (714) 894-7501



LABORATORY CLIENT: Parsons, Inc.		CLIENT PROJECT NAME / NUMBER: DFSP Norwalk - Quarterly		P.O. NO.:				
100 W. Walnut Street		PROJECT CONTACT: <i>Mary Lucas / Cindy Zicker</i>		QUOTE NO.:				
CITY: Paasadena, CA 91124		SAMPLER(S): (SIGNATURE) <i>Alexander</i>		LAB USE ONLY 12-08-2227				
TEL: <u>562-440-6032</u>		E-MAIL:						
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS		SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> ARCHIVE SAMPLES UNTIL / /						
SPECIAL INSTRUCTIONS		REQUESTED ANALYSIS						
LAB USE ONLY	SAMPLE ID	LOCATION/ DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MAT- RIX	NO. OF CONT.	Requested Analysis	Comments
	<i>1-1 Effluent</i>		<i>8-31-12</i>	<i>0920</i>	<i>W</i>	<i>14</i>	Turbidity (SM 2130B)	X
							Oil & Grease (SM 5520B)	X
							pH (SM 4500 H+B)	X
							TPH-Diesel/Gas (EPA 8015B(M))	X
							VOCs + Oxy (EPA 8260B)	X
							Metals (EPA 6020: As,Cu,Se,Pb,Zn)	X
							Total Suspended Solids (SM 2540D)	X
							Settleable Solids (SM 2540F)	X
							Total Sulfides (SM 4500 S-2)	X
							Phenolics (EPA 420.1)	X
							Residual Chlorine (SM 4500 Cl F)	X
							MBAS (SM 5540C)	X
Received by: (Signature) <i>Alexander</i>							Date: <i>8-31-12</i>	Time: <i>11:40</i>
Received by: (Signature) <i>Cor</i>							Date: <i>8/31/12</i>	Time: <i>1424</i>
Received by: (Signature)							Date:	Time:





WORK ORDER #: 12-08-2227

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS

DATE: 08/31/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0°C - 6.0°C, not frozen)

Temperature 2.7 °C - 0.3°C (CF) = 2.4 °C [X] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____).

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

[] Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: [] Air [] Filter

Initial: BY

CUSTODY SEALS INTACT:

[] Cooler [] _____ [] No (Not Intact) [X] Not Present [] N/A

Initial: BY

[] Sample [] _____ [] No (Not Intact) [X] Not Present

Initial: TS

SAMPLE CONDITION:

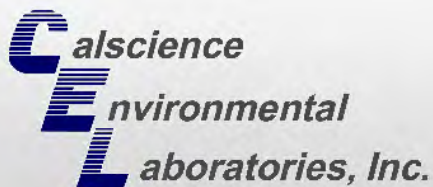
Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, Sample container label(s) consistent with COC, etc.

CONTAINER TYPE:

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve () [] EnCores® [] TerraCores® [] _____
Water: [] VOA [X] VOAh [] VOAna2 [] 125AGB [] 125AGBh [] 125AGBp [] 1AGB [] 1AGBna2 [X] 1AGBs
[] 500AGB [X] 500AGJ [X] 500AGJs [] 250AGB [] 250CGB [] 250CGBs [X] 1PB [] 1PBna [] 500PB
[] 250PB [X] 250PBn [] 125PB [X] 125PBzanna [] 100PJ [] 100PJna2 [] _____ [] _____ [] _____

Air: [] Tedlar® [] Summa® Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: TS
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: hcl
Preservative: h: HCL n: HNO3 na2: Na2S2O3 na: NaOH p: H3PO4 s: H2SO4 u: Ultra-pure zanna: ZnAc2+NaOH f: Filtered Scanned by: hcl





CALSCIENCE

WORK ORDER NUMBER: 12-09-1753

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Parsons Government Services, Inc.

Client Project Name: DFSP Norwalk - Monthly

Attention: Mary Lucas
100 West Walnut Street
Pasadena, CA 91124-0002

Approved for release on 10/4/2012 by:
Ranjit Clarke
Project Manager

ResultLink ▶

Email your PM ▶



Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any litigation which may arise.



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Client Project Name: DFSP Norwalk - Monthly

Work Order Number: 12-09-1753

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Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 09/27/12
 Work Order No: 12-09-1753
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-09-1753-1-I	09/27/12 10:20	Aqueous	GC 48	09/27/12	09/29/12 01:25	120927B03

Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	87	68-140			

Method Blank	099-15-282-46	N/A	Aqueous	GC 48	09/27/12	09/27/12 18:11	120927B03
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Parameter	Result	RL	DF	Qual	Units
TPH as Diesel	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
n-Octacosane	84	68-140			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 09/27/12
Work Order No: 12-09-1753
Preparation: EPA 5030C
Method: EPA 8015B (M)

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-09-1753-1-E	09/27/12 10:20	Aqueous	GC 25	09/28/12	09/28/12 15:39	120928B01

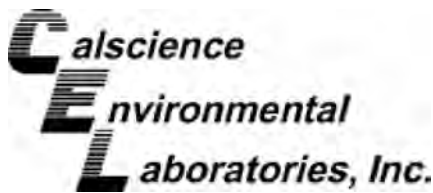
Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	72	38-134			

Method Blank	099-15-704-28	N/A	Aqueous	GC 25	09/28/12	09/28/12 13:22	120928B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	100	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	77	38-134			

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 09/27/12
Work Order No: 12-09-1753
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Monthly

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-09-1753-1-A	09/27/12 10:20	Aqueous	GC/MS GGG	09/28/12	09/28/12 23:52	120928L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

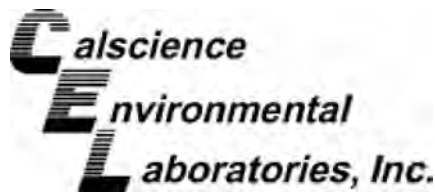
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	6.3	10	4.6	1	J
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	80-120		Dibromofluoromethane	103	80-126	
1,2-Dichloroethane-d4	115	80-134		Toluene-d8	96	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



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Analytical Report



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: 09/27/12
Work Order No: 12-09-1753
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: DFSP Norwalk - Monthly

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-8,902	N/A	Aqueous	GC/MS GGG	09/28/12	09/28/12 15:36	120928L01

Comment(s): -Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

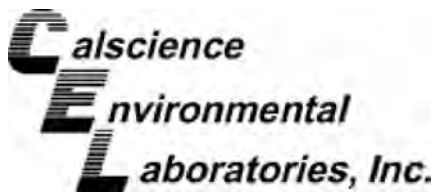
Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	20	10	1		c-1,3-Dichloropropene	ND	0.50	0.25	1	
Benzene	ND	0.50	0.14	1		t-1,3-Dichloropropene	ND	0.50	0.25	1	
Bromobenzene	ND	1.0	0.30	1		Ethylbenzene	ND	0.50	0.14	1	
Bromochloromethane	ND	1.0	0.48	1		2-Hexanone	ND	10	2.1	1	
Bromodichloromethane	ND	1.0	0.21	1		Isopropylbenzene	ND	1.0	0.58	1	
Bromoform	ND	1.0	0.50	1		p-Isopropyltoluene	ND	1.0	0.16	1	
Bromomethane	ND	5.0	3.9	1		Methylene Chloride	ND	5.0	0.64	1	
2-Butanone	ND	10	2.2	1		4-Methyl-2-Pentanone	ND	10	4.4	1	
n-Butylbenzene	ND	1.0	0.23	1		Naphthalene	ND	10	2.5	1	
sec-Butylbenzene	ND	1.0	0.25	1		n-Propylbenzene	ND	1.0	0.17	1	
tert-Butylbenzene	ND	1.0	0.28	1		Styrene	ND	1.0	0.17	1	
Carbon Disulfide	ND	10	0.41	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
Carbon Tetrachloride	ND	0.50	0.23	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Chlorobenzene	ND	1.0	0.17	1		Tetrachloroethene	ND	1.0	0.39	1	
Chloroethane	ND	5.0	2.3	1		Toluene	ND	0.50	0.24	1	
Chloroform	ND	1.0	0.46	1		1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
Chloromethane	ND	5.0	1.8	1		1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
2-Chlorotoluene	ND	1.0	0.24	1		1,1,1-Trichloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.13	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
Dibromochloromethane	ND	1.0	0.25	1		1,1,2-Trichloroethane	ND	1.0	0.38	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1		Trichloroethene	ND	1.0	0.37	1	
1,2-Dibromoethane	ND	1.0	0.36	1		Trichlorofluoromethane	ND	10	1.7	1	
Dibromomethane	ND	1.0	0.46	1		1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1		1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1		1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1		Vinyl Acetate	ND	10	2.8	1	
Dichlorodifluoromethane	ND	1.0	0.46	1		Vinyl Chloride	ND	0.50	0.30	1	
1,1-Dichloroethane	ND	1.0	0.28	1		p/m-Xylene	ND	0.50	0.24	1	
1,2-Dichloroethane	ND	0.50	0.24	1		o-Xylene	ND	0.50	0.23	1	
1,1-Dichloroethene	ND	1.0	0.43	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	0.31	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1		Tert-Butyl Alcohol (TBA)	ND	10	4.6	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1		Diisopropyl Ether (DIPE)	ND	2.0	0.33	1	
1,2-Dichloropropane	ND	1.0	0.42	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.30	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	0.22	1	
2,2-Dichloropropane	ND	1.0	0.36	1		Ethanol	ND	100	50	1	
1,1-Dichloropropene	ND	1.0	0.46	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	93	80-120		Dibromofluoromethane	101	80-126	
1,2-Dichloroethane-d4	115	80-134		Toluene-d8	95	80-120	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



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Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 09/27/12
 Work Order No: 12-09-1753
 Preparation: EPA 3020A Total
 Method: EPA 6020
 Units: mg/L

Project: DFSP Norwalk - Monthly

Page 1 of 1

Client Sample Number	Lab Sample Number	Date /Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Effluent	12-09-1753-1-J	09/27/12 10:20	Aqueous	ICP/MS 03	09/28/12	10/01/12 13:18	120928L05

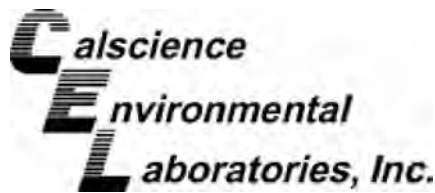
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	0.0756	0.00100	1		Selenium	ND	0.00100	1	
Copper	0.00115	0.00100	1		Zinc	0.0125	0.00500	1	
Lead	ND	0.00100	1						

Method Blank	096-06-003-3,921	N/A	Aqueous	ICP/MS 03	09/28/12	09/28/12 21:10	120928L05
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.00100	1		Selenium	ND	0.00100	1	
Copper	ND	0.00100	1		Zinc	ND	0.00500	1	
Lead	ND	0.00100	1						

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Analytical Report



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 09/27/12
 Work Order No: 12-09-1753

Project: DFSP Norwalk - Monthly

Page 1 of 1

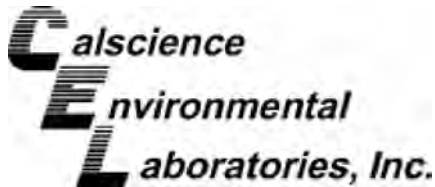
Client Sample Number	Lab Sample Number	Date Collected	Matrix
Effluent	12-09-1753-1	09/27/12	Aqueous

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Turbidity	36	1.0	1		NTU	N/A	09/27/12	SM 2130 B
pH	6.31	0.01	1		pH units	N/A	09/27/12	SM 4500 H+ B
Oil and Grease	ND	1.0	1		mg/L	09/28/12	09/28/12	SM 5520 B
Method Blank					N/A	Aqueous		

Parameter	Results	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Oil and Grease	ND	1.0	1		mg/L	09/28/12	09/28/12	SM 5520 B

Return to Contents

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 09/27/12
 Work Order No: 12-09-1753
 Preparation: EPA 3020A Total
 Method: EPA 6020

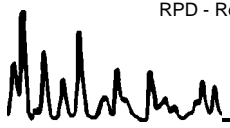
Project DFSP Norwalk - Monthly

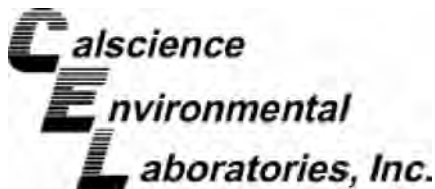
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-09-1868-1	Aqueous	ICP/MS 03	09/28/12	09/28/12	120928S05

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.1006	101	0.1012	101	73-127	1	0-11	
Copper	0.001935	0.1000	0.09818	96	0.09910	97	72-108	1	0-10	
Lead	ND	0.1000	0.1101	110	0.1103	110	79-121	0	0-10	
Selenium	ND	0.1000	0.08714	87	0.09370	94	59-125	7	0-12	
Zinc	0.05468	0.1000	0.1628	108	0.1345	80	43-145	19	0-39	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - PDS / PDSD



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received 09/27/12
 Work Order No: 12-09-1753
 Preparation: EPA 3020A Total
 Method: EPA 6020

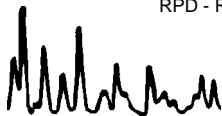
Project: DFSP Norwalk - Monthly

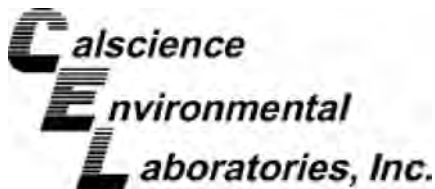
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS / PDSD Batch Number
12-09-1868-1	Aqueous	ICP/MS 03	09/28/12	09/28/12	120928S05

Parameter	SAMPLE CONC	SPIKE ADDED	PDS CONC	PDS %REC	PDSD CONC	PDSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	ND	0.1000	0.09198	92	0.09327	93	75-125	1	0-11	
Copper	0.001935	0.1000	0.09637	94	0.09681	95	75-125	0	0-10	
Lead	ND	0.1000	0.1100	110	0.1092	109	75-125	1	0-10	
Selenium	ND	0.1000	0.08635	86	0.08685	87	75-125	1	0-12	
Zinc	0.05468	0.1000	0.1360	81	0.1336	79	75-125	2	0-39	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 09/27/12
 Work Order No: 12-09-1753
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

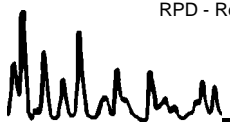
Project DFSP Norwalk - Monthly

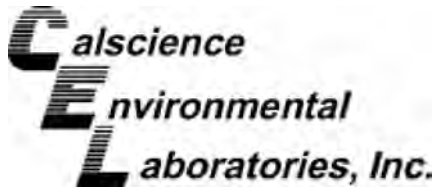
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
Effluent	Aqueous	GC 25	09/28/12	09/28/12	120928S01

<u>Parameter</u>	<u>SAMPLE CONC</u>	<u>SPIKE ADDED</u>	<u>MS CONC</u>	<u>MS %REC</u>	<u>MSD CONC</u>	<u>MSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	ND	2000	1670	84	1974	99	68-122	17	0-18	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Spike/Spike Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: 09/27/12
 Work Order No: 12-09-1753
 Preparation: EPA 5030C
 Method: EPA 8260B

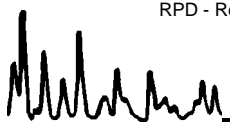
Project DFSP Norwalk - Monthly

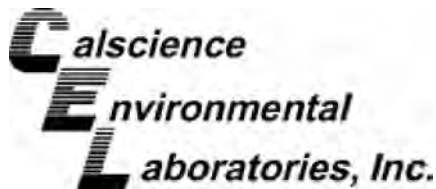
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
12-09-1585-8	Aqueous	GC/MS GGG	09/28/12	09/28/12	120928S01

Parameter	SAMPLE CONC	SPIKE ADDED	MS CONC	MS %REC	MSD CONC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	24.72	50.00	72.60	96	72.58	96	78-120	0	0-20	
Carbon Tetrachloride	ND	50.00	62.03	124	59.75	120	67-139	4	0-20	
Chlorobenzene	ND	50.00	54.54	109	52.47	105	80-120	4	0-20	
1,2-Dibromoethane	ND	50.00	55.40	111	54.07	108	80-123	2	0-20	
1,2-Dichlorobenzene	ND	50.00	58.94	118	56.03	112	76-120	5	0-20	
1,2-Dichloroethane	0.5701	50.00	60.54	120	61.20	121	76-130	1	0-20	
1,1-Dichloroethene	ND	50.00	55.25	110	53.13	106	70-130	4	0-27	
Ethylbenzene	29.41	50.00	83.31	108	76.43	94	73-127	9	0-20	
Toluene	2.324	50.00	53.40	102	53.37	102	72-126	0	0-20	
Trichloroethene	ND	50.00	50.91	102	49.89	100	74-122	2	0-20	
Vinyl Chloride	ND	50.00	56.51	113	53.86	108	65-131	5	0-24	
p/m-Xylene	30.62	100.0	141.1	110	133.5	103	70-130	6	0-30	
o-Xylene	12.14	50.00	68.79	113	64.15	104	70-130	7	0-30	
Methyl-t-Butyl Ether (MTBE)	15.82	50.00	61.94	92	63.06	94	69-123	2	0-20	
Tert-Butyl Alcohol (TBA)	ND	250.0	252.5	101	253.6	101	65-131	0	0-22	
Diisopropyl Ether (DIPE)	ND	50.00	60.09	120	58.74	117	68-128	2	0-22	
Ethyl-t-Butyl Ether (ETBE)	ND	50.00	59.45	119	58.18	116	69-123	2	0-21	
Tert-Amyl-Methyl Ether (TAME)	ND	50.00	49.41	99	49.47	99	70-124	0	0-20	
Ethanol	ND	500.0	534.2	107	520.4	104	41-155	3	0-35	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-09-1753

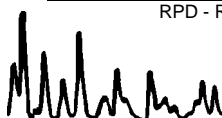
Project: DFSP Norwalk - Monthly

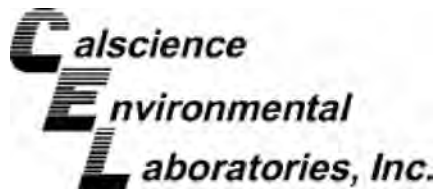
Matrix: Aqueous or Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Turbidity	SM 2130 B	Effluent	09/27/12	36	36	0	0-25	
pH	SM 4500 H+ B	12-09-1692-1	09/27/12	7.03	7.06	0	0-25	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-09-1753
 Preparation: EPA 3020A Total
 Method: EPA 6020

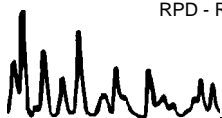
Project: DFSP Norwalk - Monthly

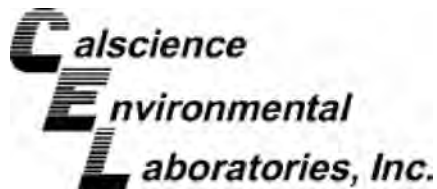
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-06-003-3,921	Aqueous	ICP/MS 03	09/28/12	09/28/12	120928L05

Parameter	SPIKE ADDED	LCS CONC	LCS %REC	LCSD CONC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	0.1000	0.1009	101	0.1019	102	80-120	1	0-20	
Copper	0.1000	0.1109	111	0.1109	111	80-120	0	0-20	
Lead	0.1000	0.09823	98	0.09842	98	80-120	0	0-20	
Selenium	0.1000	0.09436	94	0.09478	95	80-120	0	0-20	
Zinc	0.1000	0.1034	103	0.1000	100	80-120	3	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-09-1753
 Preparation: N/A
 Method: SM 5520 B

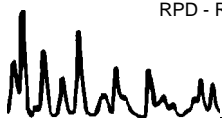
Project: DFSP Norwalk - Monthly

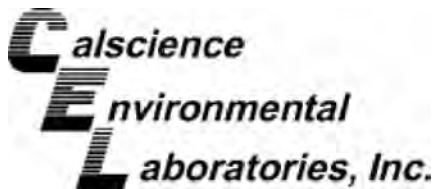
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-05-081-2,869	Aqueous	N/A	09/28/12	09/28/12	C0928OGL1

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Oil and Grease	40.0	39.2	98	39.0	98	80-120	1	0-20	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-09-1753
 Preparation: EPA 3510C
 Method: EPA 8015B (M)

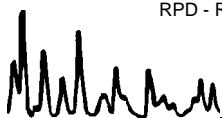
Project: DFSP Norwalk - Monthly

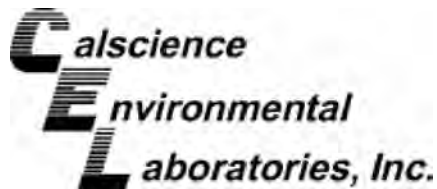
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-282-46	Aqueous	GC 48	09/27/12	09/27/12	120927B03

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Diesel	4000	3567	89	3426	86	75-117	4	0-13	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
 100 West Walnut Street
 Pasadena, CA 91124-0002

Date Received: N/A
 Work Order No: 12-09-1753
 Preparation: EPA 5030C
 Method: EPA 8015B (M)

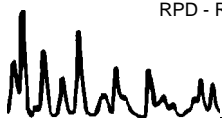
Project: DFSP Norwalk - Monthly

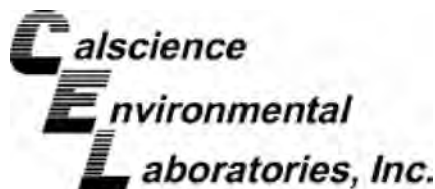
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-704-28	Aqueous	GC 25	09/28/12	09/28/12	120928B01

Parameter	<u>SPIKE ADDED</u>	<u>LCS CONC</u>	<u>LCS %REC</u>	<u>LCSD CONC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	2000	1903	95	2033	102	78-120	7	0-10	

Return to Contents

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Parsons Government Services, Inc.
100 West Walnut Street
Pasadena, CA 91124-0002

Date Received: N/A
Work Order No: 12-09-1753
Preparation: EPA 5030C
Method: EPA 8260B

Project: DFSP Norwalk - Monthly

Quality Control Sample ID	Matrix	Instrument		Date Prepared	Date Analyzed	LCS/LCSD Batch Number				
099-14-001-8,902	Aqueous	GC/MS GGG		09/28/12	09/28/12	120928L01				
Parameter	<u>SPIKE</u> <u>ADDED</u>	<u>LCS</u> <u>CONC</u>	<u>LCS</u> <u>%REC</u>	<u>LCSD</u> <u>CONC</u>	<u>LCSD</u> <u>%REC</u>	<u>%REC</u> CL	<u>ME</u> CL	RPD	RPD CL	Qualifiers
Benzene	50.00	48.06	96	45.51	91	80-120	73-127	5	0-20	
Carbon Tetrachloride	50.00	57.24	114	51.03	102	66-138	54-150	11	0-20	
Chlorobenzene	50.00	49.22	98	48.30	97	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	50.71	101	52.28	105	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	50.00	53.55	107	54.30	109	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	59.21	118	56.12	112	80-129	72-137	5	0-20	
1,1-Dichloroethene	50.00	49.78	100	45.47	91	71-131	61-141	9	0-20	
Ethylbenzene	50.00	48.11	96	46.23	92	80-123	73-130	4	0-20	
Toluene	50.00	48.48	97	45.63	91	79-121	72-128	6	0-20	
Trichloroethene	50.00	50.49	101	46.77	94	80-120	73-127	8	0-20	
Vinyl Chloride	50.00	50.30	101	47.03	94	70-136	59-147	7	0-20	
p/m-Xylene	100.0	99.99	100	97.39	97	75-125	67-133	3	0-25	
o-Xylene	50.00	49.48	99	48.29	97	75-125	67-133	2	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	44.52	89	43.96	88	72-126	63-135	1	0-22	
Tert-Butyl Alcohol (TBA)	250.0	239.0	96	208.3	83	71-125	62-134	14	0-25	
Diisopropyl Ether (DIPE)	50.00	57.86	116	55.20	110	69-129	59-139	5	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	55.68	111	54.63	109	69-129	59-139	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	47.60	95	45.33	91	67-133	56-144	5	0-20	
Ethanol	500.0	527.5	106	435.1	87	47-155	29-173	19	0-36	

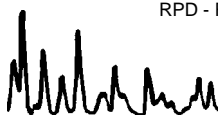
Total number of LCS compounds : 19

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

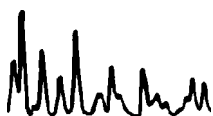


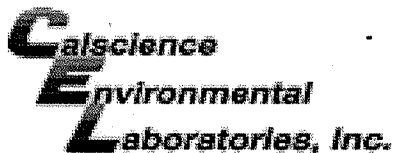
Work Order Number: 12-09-1753

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

MPN - Most Probable Number





WORK ORDER #: 12-09-1753

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: PARSONS, Inc.

DATE: 09/27/12

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.3 °C - 0.3 °C (CF) = 2.0 °C Blank Sample

- Sample(s) outside temperature criteria (PM/APM contacted by: _____).
- Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter

Initial: ACE

CUSTODY SEALS INTACT:

- Cooler _____ No (Not Intact) Not Present N/A
- Sample _____ No (Not Intact) Not Present

Initial: ACE

Initial: TS

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours... <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container..... <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace..... <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

- Solid:** 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____
- Water:** VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs
- 500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 1PBna 500PB
- 250PB 250PBn 125PB 125PBzanna 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** TS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YK

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure zanna: ZnAc₂+NaOH f: Filtered **Scanned by:** YK



ATTACHMENT C

Groundwater Treatment System Monitoring Logs

DATE: M 7-2-12 TIME: 0830 WEATHER: Cloudy 68°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF) If > 25 psig; change filter					
BF1 (East)	P2 42	P3 37	P2-P3 0		
BF2 (Center)	P4 41	P5 38	P4-P5 0		
BF3 (West)	P6 43	P7 41	P6-P7 0		
MYCELX If > 15 psig; change filter					
MX-7 (small)	P8 40	P9 29	P8-P9 0		
MX-21 (large)	P9 29	P10 17	P9-P10 0		
GAC FILTERS If > 10 psig; notify.					
GAC - 1	P10 17	P11 15	P10-P11 0		
GAC - 2	P11 15	P12 14	P11-P12 0		
GAC - 3	P12 14	P13 14	P12-P13 0		
Ion Exchange	P13 14	P14 5	P13-P14 0		

25
86
75
1

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.5	10390353.0	10337550.0	-
Wells: GW-15	4	6228626	6208362	-
Wells: GW-16	4.3	3785129.5	3761474.0	-
NPDES Discharge	23	61839080	61745851	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify)

NOTES / DAILY TASK SUMMARY
 Shut down system c. 0845 for quarterly GW sampling

DATE: F 7-13-12 TIME: 1220 WEATHER: Cloudy 80°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF) If > 25 psig; change filter					
BF1 (East)	P2	28 [?]	P3	35	P2-P3 0
BF2 (Center)	P4	34	P5	34	P4-P5 0
BF3 (West)	P6	39	P7	38	P6-P7 0
MYCELX If > 15 psig; change filter					
MX-7 (small)	P8	40	P9	39	P8-P9 0
MX-21 (large)	P9	35	P10	30	P9-P10 0
GAC FILTERS If > 10 psig; notify.					
GAC - 1	P10	30	P11	28	P10-P11 0
GAC - 2	P11	28	P12	24	P11-P12 0
GAC - 3	P12	24	P13	23	P12-P13 0
Ion Exchange	P13	23	P14	9	P13-P14 0

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.4	10405464.0	10390353.0	-
Wells: GW-15	—		6228626	-
Wells: GW-16	—	3785434.2	3785129.5	-
NPDES Discharge	38	61852480	61839080	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

Restarted GWTS @ 0845 on 7-12-12
 GW-15/16 not running. Possible electrical problem. Repairs pending

DATE: M 7-16-12 TIME: 1225 WEATHER: Sun 75°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 25	P3 36	P2-P3 0		
BF2 (Center)	P4 37	P5 36	P4-P5 0		
BF3 (West)	P6 40	P7 39	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 40	P9 39	P8-P9 0		
MX-21 (large)	P9 39	P10 31	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 31	P11 28	P10-P11 0		
GAC - 2	P11 28	P12 25	P11-P12 0		
GAC - 3	P12 25	P13 23	P12-P13 0		
Ion Exchange	P13 23	P14 8	P13-P14 0		

20

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.4	10445850.5	10405469.0	-
Wells: GW-15	0		6228626	-
Wells: GW-16	0		3785434.2	-
NPDES Discharge	38	61886280	61852480	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify)

NOTES / DAILY TASK SUMMARY

GW-15/16 offline - repairs pending.

DATE: W 7-18-12 TIME: _____ WEATHER: Sunny 68°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 27	P3 35	P2-P3 0		
BF2 (Center)	P4 37	P5 36	P4-P5 0		
BF3 (West)	P6 39	P7 38	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 39	P9 38	P8-P9 0		
MX-21 (large)	P9 38	P10 29	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 29	P11 24	P10-P11 0		
GAC - 2	P11 26	P12 23	P11-P12 0		
GAC - 3	P12 23	P13 23	P12-P13 0		
Ion Exchange	P13 23	P14 7	P13-P14 0		

7
65

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.4	10470299.5	10445850.5	-
Wells: GW-15	0		6228624	-
Wells: GW-16	4.4	3791548.3	3785434.2	-
NPDES Discharge	37	61915274	61886280	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

GW-16 Restarted 7-17-12 c0845

DATE: M 7-23-12 TIME: 1230

WEATHER: Sunny 82°

OPERATOR NAME: G. Androske

REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					
If > 25 psig; change filter					
BF1 (East)	P2 40	P3 27	P2-P3 0		
BF2 (Center)	P4 38	P5 29	P4-P5 0		
BF3 (West)	P6 42	P7 31	P6-P7 0		
MYCELX					
If > 15 psig; change filter					
MX-7 (small)	P8 32	P9 28	P8-P9 0		
MX-21 (large)	P9 28	P10 20	P9-P10 0		
GAC FILTERS					
If > 10 psig; notify.					
GAC - 1	P10 20	P11 20	P10-P11 0		
GAC - 2	P11 20	P12 18	P11-P12 0		
GAC - 3	P12 18	P13 16	P12-P13 0		
Ion Exchange	P13 16	P14 5	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
→ Wells: GW-2 + GW-13	9.3	10540840.6	10498008.5	-
↘ Wells: GW-15	4	6228969	6228626	-
↘ Wells: GW-16	4.3	3823697.0	3803919.0	-
↘ NPDES Discharge	31	62008320	61952205	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify)

NOTES / DAILY TASK SUMMARY

GW-15 back on line @ 1120

DATE: W 7-25-12 TIME: 1035/1245 WEATHER: _____
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					
If > 25 psig; change filter					
BF1 (East)	P2 46 / 38	P3 16 / 36	P2-P3 0		
BF2 (Center)	P4 45 / 36	P5 17 / 36	P4-P5 0		
BF3 (West)	P6 48 / 39	P7 20 / 39	P6-P7 0		
MYCELX					
If > 15 psig; change filter					
MX-7 (small)	P8 28 / 40	P9 14 / 40	P8-P9 0		
MX-21 (large)	P9 14 / 40	P10 7 / 29	P9-P10 0		
GAC FILTERS					
If > 10 psig; notify.					
GAC - 1	P10 7 / 29	P11 7 / 26	P10-P11 0		
GAC - 2	P11 7 / 26	P12 6 / 23	P11-P12 0		
GAC - 3	P12 6 / 23	P13 6 / 22	P12-P13 0		
Ion Exchange	P13 6 / 22	P14 4 / 8	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.3	10560942.5	10540840.0	-
Wells: GW-15	3.5	6237928	6228969	-
Wells: GW-16	4.3	3832820.0	3823697.0	-
NPDES Discharge	7 / 37	62044702 / 62045970	62008320	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify)

NOTES / DAILY TASK SUMMARY
System off from 1050 to 1150 to change mx-7, BF-1, 2+3 f. ltr.

DATE: Tu 7-26-12 TIME: 0935 WEATHER: Cloudy 67°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							If > 25 psig; change filter
BF1 (East)	P2	38	P3	37	P2-P3	0	
BF2 (Center)	P4	37	P5	37	P4-P5	0	
BF3 (West)	P6	40	P7	40	P6-P7	0	
MYCELX							If > 15 psig; change filter
MX-7 (small)	P8	41	P9	40	P8-P9	0	
MX-21 (large)	P9	40	P10	31	P9-P10	0	
GAC FILTERS							If > 10 psig; notify.
GAC - 1	P10	31	P11	28	P10-P11	0	
GAC - 2	P11	28	P12	25	P11-P12	0	
GAC - 3	P12	25	P13	24	P12-P13	0	
Ion Exchange	P13	24	P14	8	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
87 Wells: GW-2 + GW-13	9.4	10572748.3	10560942.5	-
8 Wells: GW-15	4	6243310	6237928	-
3 Wells: GW-16	4.4	3838364.0	3832820.0	-
NPDES Discharge	37	62068115	62045970	-

NPDES Sample Collection (circle one) MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]
 TEMP 22.5 (degrees, C) pH 7.32 Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
Collected an Effluent sample @ 0940

DATE: 07-31-2012 TIME: 0906 WEATHER: Sunny
 OPERATOR NAME: Milton L. Gradillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 38	P3 36	P2-P3 0		
BF2 (Center)	P4 37	P5 37	P4-P5 0		
BF3 (West)	P6 40	P7 40	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 41	P9 40	P8-P9 0		
MX-21 (large)	P9 40	P10 29	P9-P10 0		
GAC FILTERS					If > 10 psig; notify
GAC - 1	P10 29	P11 27	P10-P11 0		
GAC - 2	P11 27	P12 24	P11-P12 0		
GAC - 3	P12 24	P13 23	P12-P13 0		
Ion Exchange	P13 23	P14 7.5	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.5	10640150.4	10572748.3	-
Wells: GW-15	4.0	6272018	6243310	-
Wells: GW-16	4.4	5869061.5	3838364.0	-
NPDES Discharge	36	62190790	62068115	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ (If collecting NPDES samples today, record effluent temperature (deg. C) and pH)
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

Mon. DATE: 08-06-12 TIME: 1313 WEATHER: SUNNY (HOT)
OPERATOR NAME: Milton L. Gradillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					
				If > 25 psig; change filter	
BF1 (East)	P2 35	P3 32	P2-P3 0		
BF2 (Center)	P4 34	P5 33	P4-P5 0		
BF3 (West)	P6 37	P7 37	P6-P7 0		
MYCELX					
				If > 15 psig; change filter	
MX-7 (small)	P8 36	P9 35	P8-P9 0		
MX-21 (large)	P9 35	P10 22	P9-P10 0		
GAC FILTERS					
				If > 10 psig; notify.	
GAC - 1	P10 22	P11 21	P10-P11 0		
GAC - 2	P11 21	P12 19	P11-P12 0		
GAC - 3	P12 19	P13 17.5	P12-P13 0		
Ion Exchange	P13 17.5	P14 6.5	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)	
Wells: GW-2 + GW-13	9.7	10724389.0	10640150.4	-	
Wells: GW-15	∅	6363479	6272018	-	GW-15 meter NOT working.
Wells: GW-16	4.3	3907004.0	3869061.5	-	
NPDES Discharge	34	62342610	62190790	-	

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: W 8-8-012 TIME: 1440 WEATHER: Sunny 90°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF) If > 25 psig; change filter					
BF1 (East)	P2 36	P3 32	P2-P3 0		
BF2 (Center)	P4 34	P5 33	P4-P5 0		
BF3 (West)	P6 36	P7 36	P6-P7 0		
MYCELX If > 15 psig; change filter					
MX-7 (small)	P8 34	P9 35	P8-P9 0		
MX-21 (large)	P9 35	P10 26	P9-P10 0		
GAC FILTERS If > 10 psig; notify.					
GAC - 1	P10 26	P11 24	P10-P11 0		
GAC - 2	P11 24	P12 21	P11-P12 0		
GAC - 3	P12 21	P13 19	P12-P13 0		
Ion Exchange	P13 19	P14 8	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.6	10752649.1	10724389.0	-
Wells: GW-15	4.2	458.5	6303479	-
Wells: GW-16	4.3	3919592.4	3907064.0	-
NPDES Discharge	28	62391308	62342610	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
 GW-15 off from 1030 to 1320 to install a new totalizer. Initial reading is 20.0 gallons

DATE: Th 8-9-12 TIME: 1415 WEATHER: Sunny 94°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
If > 25 psig; change filter					
BAG FILTERS (BF)					
BF1 (East)	P2 34	P3 15 ^①	P2-P3 0		
BF2 (Center)	P4 34	P5 34	P4-P5 0		
BF3 (West)	P6 38	P7 38	P6-P7 0		
If > 15 psig; change filter					
MYCELX					
MX-7 (small)	P8 38	P9 37	P8-P9 0		
MX-21 (large)	P9 37	P10 29	P9-P10 0		
If > 10 psig; notify.					
GAC FILTERS					
GAC - 1	P10 29	P11 26	P10-P11 0		
GAC - 2	P11 26	P12 23	P11-P12 0		
GAC - 3	P12 23	P13 22	P12-P13 0		
Ion Exchange	P13 22	P14 8	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
0 Wells: GW-2 + GW-13	9.6	10766142.0	10752649.1	-
2 Wells: GW-15	4.3	5493.5	458.5	-
7 Wells: GW-16	4.3	3925590.0	3919592.4	-
10 NPDES Discharge	38	62412820	62391308	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
 ① Changed pressure gauge. Next reading was 34 psi

DATE: F8-10-12 TIME: 0915 WEATHER: Sunny 90°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							If > 25 psig; change filter
BF1 (East)	P2	38	P3	34	P2-P3	0	
BF2 (Center)	P4	37	P5	36	P4-P5	0	
BF3 (West)	P6	40	P7	39	P6-P7	0	
MYCELX							If > 15 psig; change filter
MX-7 (small)	P8	40	P9	40	P8-P9	0	
MX-21 (large)	P9	40	P10	30	P9-P10	0	
GAC FILTERS							If > 10 psig; notify.
GAC - 1	P10	30	P11	27	P10-P11	0	
GAC - 2	P11	27	P12	25	P11-P12	0	
GAC - 3	P12	25	P13	23	P12-P13	0	
Ion Exchange	P13	23	P14	7	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
3 Wells: GW-2 + GW-13	9.4	10776855.2	10766142.0	-
4 Wells: GW-15	4.0	9925.1	5493.5	-
4 Wells: GW-16	4.3	3930345.0	3925590.0	-
35 NPDES Discharge	38	62431290	62412820	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: W 8-15-12 TIME: 1300 WEATHER: Sunny 90°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
If > 25 psig; change filter					
BAG FILTERS (BF)					
BF1 (East)	P2	15	P3	33	P2-P3 0
BF2 (Center)	P4	34	P5	33	P4-P5 0
BF3 (West)	P6	39	P7	36	P6-P7 0
If > 15 psig; change filter					
MYCELX					
MX-7 (small)	P8	36	P9	36	P8-P9 0
MX-21 (large)	P9	38	P10	26	P9-P10 0
If > 10 psig; notify.					
GAC FILTERS					
GAC - 1	P10	26	P11	23	P10-P11 0
GAC - 2	P11	23	P12	19	P11-P12 0
GAC - 3	P12	19	P13	19	P12-P13 0
Ion Exchange	P13	19	P14	6	P13-P14 0

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2 + GW-13	9.6	10847583.0	10817827.8	-
Wells: GW-15	~5	①	21731.5	-
Wells: GW-16	4.5	3962197.5	3948893.5	-
NPDES Discharge	36	62543570	62503495	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
 ① Flow meter not working. Parts ordered

DATE: F 8-17-12 TIME: 0830 WEATHER: Sunny 80°
 OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)						If > 25 psig; change filter	
BF1 (East)	P2	38	P3	33	P2-P3	0	
BF2 (Center)	P4	38	P5	34	P4-P5	0	
BF3 (West)	P6	40	P7	37	P6-P7	0	
MYCELX						If > 15 psig; change filter	
MX-7 (small)	P8	38	P9	37	P8-P9	0	
MX-21 (large)	P9	37	P10	26	P9-P10	0	
GAC FILTERS						If > 10 psig; notify.	
GAC - 1	P10	26	P11	24	P10-P11	0	
GAC - 2	P11	24	P12	19	P11-P12	0	
GAC - 3	P12	19	P13	19	P12-P13	0	
Ion Exchange	P13	19	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
2 Wells: GW-2 + GW-13	9.8	10871803.5	10847583.0	-
Wells: GW-15	~5 ^①	Parts ordered		-
2 Wells: GW-16	4.5	3973743.5	3962192.5	-
90 NPDES Discharge	34	62588100	62543520	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
 ① Flow meter not working. Estimated flow rate.

DATE: 06-21-12 TIME: 1450 WEATHER: Sunny

OPERATOR NAME: Milton L. Gradillas REVD BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 <u>38</u>	P3 <u>36</u>	P2-P3 <u>0</u>		
BF2 (Center)	P4 <u>37</u>	P5 <u>37</u>	P4-P5 <u>0</u>		
BF3 (West)	P6 <u>39</u>	P7 <u>41</u>	P6-P7 <u>0</u>		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 <u>40</u>	P9 <u>39</u>	P8-P9 <u>0</u>		
MX-21 (large)	P9 <u>39</u>	P10 <u>29</u>	P9-P10 <u>0</u>		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 <u>29</u>	P11 <u>26</u>	P10-P11 <u>0</u>		
GAC - 2	P11 <u>26</u>	P12 <u>21.5</u>	P11-P12 <u>0</u>		
GAC - 3	P12 <u>21.5</u>	P13 <u>21.5</u>	P12-P13 <u>0</u>		
Ion Exchange	P13 <u>21.5</u>	P14 <u>7.5</u>	P13-P14 <u>0</u>		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2				-
Wells: GW-13				
Wells: GW-2/13	<u>8.9</u>	<u>1088461.3</u>	<u>10871803.5</u>	
Wells: GW-15	<u>0</u>	<u>21731.5</u>		-
Wells: GW-16	<u>4.5</u>	<u>3980652.3</u>	<u>3973743.5</u>	-
Wells: GW-15/16				
NPDES Discharge	<u>37</u>	<u>62611020</u>	<u>62588100</u>	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: W 8-22-12 TIME: 1430 WEATHER: Sunny 85°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 38	P3 36	P2-P3 0		
BF2 (Center)	P4 37	P5 37	P4-P5 0		
BF3 (West)	P6 39	P7 39	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 40	P9 22 (3)	P8-P9 0		
MX-21 (large)	P9 22	P10 29	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 29	P11 25	P10-P11 0		
GAC - 2	P11 25	P12 22	P11-P12 0		
GAC - 3	P12 22	P13 21	P12-P13 0		
Ion Exchange	P13 21	P14 8	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
6 Wells: GW-2	7.8	1278.5	106.5 (2)	-
2 Wells: GW-13	φ (1)	168.8	168.8 (2)	-
8 Wells: GW-2/13	8.4	10896430.5	10884611.3	-
4 Wells: GW-15	3.8	1214.5	118.5 (2)	-
7 Wells: GW-16	4.6	3986849.4	3980652.3	-
8 Wells: GW-15/16	8.5	2489.8	32.5 (2)	-
0 NPDES Discharge	37	62633905	62611020	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

(1) GW-13 pump not working. New pump on order

(2) New totalizers installed between 1015 - 1230. Initial readings from factory test.

(3) Changed MX-7 filters

GWTS Environmental Compliance / Operation Maintenance Worksheets

DATE: F 8-24-12 TIME: 0845 WEATHER: Cloudy 75°

OPERATOR NAME: G. Androsko REVD BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
						If > 25 psig; change filter	
BAG FILTERS (BF)							
BF1 (East)	P2	38	P3	36	P2-P3	0	
BF2 (Center)	P4	38	P5	37	P4-P5	0	
BF3 (West)	P6	40	P7	40	P6-P7	0	
						If > 15 psig; change filter	
MYCELX							
MX-7 (small)	P8	41	P9	29	P8-P9	0	
MX-21 (large)	P9	29	P10	29	P9-P10	0	
						If > 10 psig; notify.	
GAC FILTERS							
GAC - 1	P10	29	P11	26	P10-P11	0	
GAC - 2	P11	26	P12	22	P11-P12	0	
GAC - 3	P12	22	P13	22	P12-P13	0	
Ion Exchange	P13	22	P14	7	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
5 Wells: GW-2	8.1	20907.5	1278.5	-
Wells: GW-13	∅ ①	168.8	168.8	
4 Wells: GW-2/13	8.8	10918036.4	10896430.5	
3 Wells: GW-15	4.4	12285.0	1214.5	-
8 Wells: GW-16	4.7	3998319.2	3986849.5	-
2 Wells: GW-15/16	9.6	25374.5	2489.8	
30 NPDES Discharge	36	62676640	62633905	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

① GW-13 pump not working. Replacement ordered

DATE: W 8-29-12 TIME: 1405 WEATHER: Sunny 90°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							If > 25 psig; change filter
BF1 (East)	P2	20	P3	34	P2-P3	0	
BF2 (Center)	P4	38	P5	37	P4-P5	0	
BF3 (West)	P6	39	P7	39	P6-P7	0	
MYCELX							If > 15 psig; change filter
MX-7 (small)	P8	39	P9	20	P8-P9	0	
MX-21 (large)	P9	20	P10	25	P9-P10	0	
GAC FILTERS							If > 10 psig; notify.
GAC - 1	P10	25	P11	22	P10-P11	0	
GAC - 2	P11	22	P12	19	P11-P12	0	
GAC - 3	P12	19	P13	19	P12-P13	0	
Ion Exchange	P13	19	P14	7	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
4 Wells: GW-2	4.5	79856.5	20907.5	-
1 Wells: GW-13	4.1	313.2	168.8	-
3 Wells: GW-2/13	9.5	10983995.5	10918036.4	-
Wells: GW-15	0	35686.8	12285.0	-
1 Wells: GW-16	5.5	4032232.0	3998319.2	-
3 Wells: GW-15/16	5.4	88864.5	25374.5	-
20 NPDES Discharge	35	62790028	62676640	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

GW-13 Restarted @ 1330
GW-15 Not pumping - repairs scheduled.

DATE: F 8-31-12 TIME: 0905 WEATHER: Sunny 80°

OPERATOR NAME: G. Androsko

REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					
If > 25 psig; change filter					
BF1 (East)	P2 13	P3 37	P2-P3 0		
BF2 (Center)	P4 39	P5 39	P4-P5 0		
BF3 (West)	P6 41	P7 41	P6-P7 0		
MYCELX					
If > 15 psig; change filter					
MX-7 (small)	P8 41	P9 25	P8-P9 0		
MX-21 (large)	P9 25	P10 25	P9-P10 0		
GAC FILTERS					
If > 10 psig; notify.					
GAC - 1	P10 25	P11 24	P10-P11 0		
GAC - 2	P11 24	P12 19	P11-P12 0		
GAC - 3	P12 19	P13 19	P12-P13 0		
Ion Exchange	P13 19	P14 6	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
0 Wells: GW-2	4.4	91981.0	86702.2	-
5 Wells: GW-13	4.2	11215.7	6379.5	-
5 Wells: GW-2/13	9.6	11009087.5	10998140.5	-
0.5 Wells: GW-15	3.9 3.7 → 4.7	40004.5	35892.8	-
Wells: GW-16	4.7	4045272.0	4040009.5	-
0 Wells: GW-15/16	9.5	107323.5	96707.5	-
6.5 NPDES Discharge	34	62827973	62809690	-

NPDES Sample Collection (circle one): MONTHLY QUARTERLY ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH] 60.20

TEMP 26.1 (degrees, C) pH 7.64 Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: T 9-4-12 TIME: 0925 WEATHER: Sunny 78°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS							COMMENTS
EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	
BAG FILTERS (BF)							If > 25 psig; change filter
BF1 (East)	P2	39	P3	34	P2-P3	0	
BF2 (Center)	P4	38	P5	37	P4-P5	0	
BF3 (West)	P6	41	P7	40	P6-P7	0	
MYCELX							If > 15 psig; change filter
MX-7 (small)	P8	40	P9	25	P8-P9	0	
MX-21 (large)	P9	25	P10	24	P9-P10	0	
GAC FILTERS							If > 10 psig; notify.
GAC - 1	P10	24	P11	22	P10-P11	0	
GAC - 2	P11	22	P12	17	P11-P12	0	
GAC - 3	P12	17	P13	17	P12-P13	0	
Ion Exchange	P13	17	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
9 Wells: GW-2	5.0	118840.5	91981.0	-
5 Wells: GW-13	4.1	34926.3	11215.67	-
3 Wells: GW-2/13	9.8	11065366.5	11009087.5	-
3 Wells: GW-15	3.7	60504.4	40004.5	-
4 Wells: GW-16	4.7	4071225.0	4045272.0	-
3 Wells: GW-15/16	9.0	158625.5	107323.5	-
25 NPDES Discharge	30	62924133	62827973	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: 09/05/2022 TIME: 0815 WEATHER: 75° LIGHT SHOWERS

OPERATOR NAME: Milton L. Gracillas REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 40	P3 31	P2-P3 0		
BF2 (Center)	P4 38	P5 32	P4-P5 0		
BF3 (West)	P6 41	P7 35	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 37	P9 25	P8-P9 0		
MX-21 (large)	P9 25	P10 22	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 22	P11 20	P10-P11 0		
GAC - 2	P11 20	P12 16	P11-P12 0		
GAC - 3	P12 16	P13 17.5	P12-P13 0		
Ion Exchange	P13 17.5	P14 8	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2	4.7	125792.1	118840.5	-
Wells: GW-13	4.1	40875.0	34926.3	-
Wells: GW-2/13	10.1	11078825.4	11065366.5	-
Wells: GW-15	3.6	655200	60504.6	-
Wells: GW-16	4.5	4077611.0	4071225.0	-
Wells: GW-15/16	8.9	170633.0	158625.5	-
NPDES Discharge	18	62948319	62924133	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: F 9-7-12 TIME: 1100 WEATHER: Sunny 85°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							If > 25 psig; change filter
BF1 (East)	P2	41	P3	31	P2-P3	0	
BF2 (Center)	P4	39	P5	32	P4-P5	0	
BF3 (West)	P6	42	P7	35	P6-P7	0	
MYCELX							If > 15 psig; change filter
MX-7 (small)	P8	37	P9	25	P8-P9	0	
MX-21 (large)	P9	25	P10	25	P9-P10	0	
GAC FILTERS							If > 10 psig; notify.
GAC - 1	P10	25	P11	23	P10-P11	0	
GAC - 2	P11	23	P12	20	P11-P12	0	
GAC - 3	P12	20	P13	19	P12-P13	0	
Ion Exchange	P13	19	P14	8	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
5 Wells: GW-2	4.8	140606.0	125792.1	
5 Wells: GW-13	3.9	52856.8	40875.0	
3 Wells: GW-2/13	9.7	11108295.0	11078825.4	
4 Wells: GW-15	3.4	75975.2	65520.0	
3 Wells: GW-16	4.6	4091274.0	4077611.0	
2 Wells: GW-15/16	8.5	196503.8	170633.0	
40 NPDES Discharge	29	62996148	62948319	

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DFSP Norwalk

GWTS Environmental Compliance / Operation Maintenance Worksheets

DATE: M 9-10-17 TIME: 1330 WEATHER: Sunny 90°

OPERATOR NAME: G. Androsko REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 21	P3 33	P2-P3 0		
BF2 (Center)	P4 36	P5 33	P4-P5 0		
BF3 (West)	P6 39	P7 37	P6-P7 0		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 39	P9 25	P8-P9 0		
MX-21 (large)	P9 25	P10 26	P9-P10 0		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 26	P11 25	P10-P11 0		
GAC - 2	P11 25	P12 21	P11-P12 0		
GAC - 3	P12 21	P13 20	P12-P13 0		
Ion Exchange	P13 20	P14 8	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
7 Wells: GW-2	5.2	163168.1	140606.0	-
5 Wells: GW-13	4.9	70735.8	52856.8	-
0 Wells: GW-2/13	9.8	11151142.0	11108295.0	-
9 Wells: GW-15	3.3	90250.0	75975.2	-
0 Wells: GW-16	4.5	4111401.5	4091274.0	-
0 Wells: GW-15/16	8.2	233242.2	196503.8	-
10 NPDES Discharge	33	63068218	62996148	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: W 9-12-12 TIME: 1510 WEATHER: Sunny 85°

OPERATOR NAME: G. Androski REVD BY: _____

EQUIPMENT		Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)		Filter Change Guide	COMMENTS
If > 25 psig, change filter									
BAG FILTERS (BF)									
BF1 (East)	P2	39	P3	34	P2-P3	0			
BF2 (Center)	P4	37	P5	35	P4-P5	0			
BF3 (West)	P6	40	P7	39	P6-P7	0			
If > 15 psig, change filter									
MYCELX									
MX-7 (small)	P8	39	P9	25	P8-P9	0			
MX-21 (large)	P9	25	P10	27	P9-P10	0			
If > 10 psig, notify.									
GAC FILTERS									
GAC - 1	P10	27	P11	25	P10-P11	0			
GAC - 2	P11	25	P12	21	P11-P12	0			
GAC - 3	P12	21	P13	20	P12-P13	0			
Ion Exchange	P13	20	P14	8	P13-P14	0			

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
6 Wells: GW-2	5.3	178817.5	163168.1	-
0 Wells: GW-13	4.2	82611.2	70735.8	-
4 Wells: GW-2/13	9.8	11179735.5	11151142.0	-
6 Wells: GW-15	3.3	100136.5	90250.0	-
4 Wells: GW-16	4.5	4124745.2	4111401.5	-
5 Wells: GW-15/16	8.0	257576.8	233242.2	-
10 NPDES Discharge	33	63115915	63068218	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg, C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DFSP Norwalk
GWTS Environmental Compliance / Operation Maintenance Worksheets

DATE: F 9-14-12 TIME: 1350 WEATHER: Sunny 95°
 OPERATOR NAME: G. Androsku REV'D BY: _____

EQUIPMENT		Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)		Filter Change Guide	COMMENTS
If > 25 psig; change filter									
BAG FILTERS (BF)									
BF1 (East)	P2	38	P3	32	P2-P3	0			
BF2 (Center)	P4	36	P5	33	P4-P5	0			
BF3 (West)	P6	39	P7	36	P6-P7	0			
If > 15 psig; change filter									
MYCELX									
MX-7 (small)	P8	36	P9	24	P8-P9	0			
MX-21 (large)	P9	26	P10	24	P9-P10	0			
If > 10 psig; notify.									
GAC FILTERS									
GAC - 1	P10	24	P11	22	P10-P11	0			
GAC - 2	P11	22	P12	19	P11-P12	0			
GAC - 3	P12	19	P13	18	P12-P13	0			
Ion Exchange	P13	18	P14	8	P13-P14	0			

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
5 Wells: GW-2	5.4	193756.2	178817.5	-
1 Wells: GW-13	4.0	93652.0	82611.2	-
0 Wells: GW-2/13	9.4	11206472.2	11179735.5	-
8 Wells: GW-15	3.3	109168.6	100136.5	-
3 Wells: GW-16	4.8	4137134.0	4124745.2	-
5 Wells: GW-15/16	8.0	280237.5	257576.8	-
90 NPDES Discharge	34	63159700	63115915	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: 09-17-2012 TIME: 1427 WEATHER: SUNNY

OPERATOR NAME: Milton L. Gradillas REVD BY: _____

EQUIPMENT		Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)		Filter Change Guide	COMMENTS
If > 25 psig; change filter									
BAG FILTERS (BF)									
BF1 (East)	P2	22	P3	26	P2-P3	0			
BF2 (Center)	P4	39	P5	26	P4-P5	0			
BF3 (West)	P6	41	P7	29	P6-P7	0			
If > 15 psig; change filter									
MYCELX									
MX-7 (small)	P8	33	P9	25	P8-P9	0			
MX-21 (large)	P9	25	P10	16	P9-P10	0			
If > 10 psig; notify.									
GAC FILTERS									
GAC - 1	P10	16	P11	16	P10-P11	0			
GAC - 2	P11	16	P12	11.5	P11-P12	0			
GAC - 3	P12	11.5	P13	12	P12-P13	0			
Ion Exchange	P13	12	P14	5	P13-P14	0			

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2	5.4	218205.5	193756.2	-
Wells: GW-13	4.9	110828.0	93652.0	-
Wells: GW-2/13	9.9	112479.5	112064.2	-
Wells: GW-15	3.1	122496.2	109168.6	-
Wells: GW-16	4.5	415583.5	413713.0	-
Wells: GW-15/16	9.4	314544.0	280237.5	-
NPDES Discharge	24	632291.90	631597.00	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: W 9-19-20 TIME: 1310 WEATHER: Sunny 88°

OPERATOR NAME: G. Androsko REV'D BY: _____

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
If > 25 psig; change filter							
BAG FILTERS (BF)							
BF1 (East)	P2	42	P3	28	P2-P3	0	
BF2 (Center)	P4	41	P5	29	P4-P5	0	
BF3 (West)	P6	44	P7	32	P6-P7	0	
If > 15 psig; change filter							
MYCELX							
MX-7 (small)	P8	35	P9	26	P8-P9	0	
MX-21 (large)	P9	26	P10	15	P9-P10	0	
If > 10 psig; notify.							
GAC FILTERS							
GAC - 1	P10	15	P11	14	P10-P11	0	
GAC - 2	P11	14	P12	12	P11-P12	0	
GAC - 3	P12	12	P13	12	P12-P13	0	
Ion Exchange	P13	12	P14	7	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
3 Wells: GW-2	5.3	233424.5	218205.5	-
3 Wells: GW-13	4.8	123764.2	110828.0	-
8 Wells: GW-2/13	9.8	7338250.2	11247975.0	-
0 Wells: GW-15	3.4	131100.8	122496.2	-
8 Wells: GW-16	4.5	4167979.0	4155834.5	-
0 Wells: GW-15/16	9.8	11275512.0	314544.0	-
11 NPDES Discharge	20	63271817	63229190	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: 9-20-12 TIME: 1035 WEATHER: Sunny 85°

OPERATOR NAME: G. Androsko REVD BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)		Outlet Pressure (psig)		Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)							
	If > 25 psig, change filter						
BF1 (East)	P2	44	P3	30	P2-P3	0	
BF2 (Center)	P4	41	P5	32	P4-P5	0	
BF3 (West)	P6	44	P7	34	P6-P7	0	
MYCELX							
	If > 15 psig, change filter						
MX-7 (small)	P8	34	P9	27	P8-P9	0	
MX-21 (large)	P9	27	P10	18	P9-P10	0	
GAC FILTERS							
	If > 10 psig, notify.						
GAC - 1	P10	18	P11	16	P10-P11	0	
GAC - 2	P11	16	P12	13	P11-P12	0	
GAC - 3	P12	13	P13	13	P12-P13	0	
Ion Exchange	P13	13	P14	6	P13-P14	0	

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
9 Wells: GW-2	5.6	240220.5	233424.5	-
4 Wells: GW-13	4.4	129595.5	123764.2	-
3 Wells: GW-2/13	9.9	11288165.5	11275512.0	-
38 Wells: GW-15	3.6	135278.8	131100.8	-
Wells: GW-16	4.5	4173600.0	4167979.0	-
9 Wells: GW-15/16	9.8	350591.5	338250.2	-
9< NPDES Discharge	21	63293800	63271817	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees, C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: 9-25-12 TIME: 1319 WEATHER: SUNNY

OPERATOR NAME: Mittal L. Gradilla S REV'D BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF)					If > 25 psig; change filter
BF1 (East)	P2 <u>42</u>	P3 <u>34</u>	P2-P3 <u>0</u>		
BF2 (Center)	P4 <u>41</u>	P5 <u>35</u>	P4-P5 <u>0</u>		
BF3 (West)	P6 <u>44</u>	P7 <u>38</u>	P6-P7 <u>0</u>		
MYCELX					If > 15 psig; change filter
MX-7 (small)	P8 <u>41</u>	P9 <u>26</u>	P8-P9 <u>0</u>		
MX-21 (large)	P9 <u>26</u>	P10 <u>16</u>	P9-P10 <u>0</u>		
GAC FILTERS					If > 10 psig; notify.
GAC - 1	P10 <u>16</u>	P11 <u>14</u>	P10-P11 <u>0</u>		
GAC - 2	P11 <u>14</u>	P12 <u>11</u>	P11-P12 <u>0</u>		
GAC - 3	P12 <u>11</u>	P13 <u>12</u>	P12-P13 <u>0</u>		
Ion Exchange	P13 <u>12</u>	P14 <u>4.5</u>	P13-P14 <u>0</u>		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
Wells: GW-2	<u>5.4</u>	<u>780344.0</u>	<u>240220.5</u>	-
Wells: GW-13	<u>4.7</u>	<u>162588.0</u>	<u>129595.5</u>	-
Wells: GW-2/13	<u>9.7</u>	<u>11359326.9</u>	<u>11288165.5</u>	-
Wells: GW-15	<u>4.0</u>	<u>161689.5</u>	<u>135278.8</u>	-
Wells: GW-16	<u>4.5</u>	<u>4205204.5</u>	<u>4173600.0</u>	-
Wells: GW-15/16	<u>9.5</u>	<u>422898.1</u>	<u>350591.5</u>	-
NPDES Discharge	<u>22</u>	<u>63411270</u>	<u>63293800</u>	-

NPDES Sample Collection (circle one): MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [if collecting NPDES samples today, record effluent temperature (deg. C) and pH]

TEMP _____ (degrees. C) pH _____ Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY

DATE: Tu 9-27-12 TIME: 1010 WEATHER: Sunny 75°

OPERATOR NAME: G. Androsko REVD BY: _____

PRESSURE READINGS

EQUIPMENT	Inlet Pressure (psig)	Outlet Pressure (psig)	Delta P (psig)	Filter Change Guide	COMMENTS
BAG FILTERS (BF) If > 25 psig; change filter					
BF1 (East)	P2 45	P3 35	P2-P3 0		
BF2 (Center)	P4 43	P5 36	P4-P5 0		
BF3 (West)	P6 46	P7 39	P6-P7 0		
MYCELX If > 15 psig; change filter					
MX-7 (small)	P8 40	P9 27	P8-P9 0		
MX-21 (large)	P9 27	P10 14	P9-P10 0		
GAC FILTERS If > 10 psig; notify.					
GAC - 1	P10 14	P11 13	P10-P11 0		
GAC - 2	P11 13	P12 10	P11-P12 0		
GAC - 3	P12 10	P13 11	P12-P13 0		
Ion Exchange	P13 11	P14 4	P13-P14 0		

FLOW METERS	Instantaneous Flow (GPM)	Totalizer Reading (GAL)	Last Totalizer Reading (GAL)	Flow Volume (GAL)
8 Wells: GW-2	5.7	294839.5	280344.0	-
4 Wells: GW-13	4.5	174145.2	162588.0	-
2 Wells: GW-2/13	9.9	11385645.0	11359326.9	-
4 Wells: GW-15	3.8	171485.2	161689.5	-
8 Wells: GW-16	4.3	4216878.8	4205204.5	-
0 Wells: GW-15/16	8.6	446232.2	422898.1	-
0 NPDES Discharge	15	6345590.4	6341127.0	-

NPDES Sample Collection (circle one) MONTHLY, QUARTERLY, ANNUAL, OTHER (specify) _____ [If collecting NPDES samples today, record effluent temperature (deg. C) and pH]
 TEMP 23.1 (degrees, C) pH 7.11 Data collection instrument used (check one): Horiba U-10 or Other (please specify) _____

NOTES / DAILY TASK SUMMARY
 NPDES Monthly samples collected @ 1020
 Surge Tank sample collected @ 1030