

DW Environmental Systems, Inc.
 1203 Clark Street
 White Oak, PA 15131

Reported: 10/08/2013 15:05

Lab Sample ID#: [REDACTED]
 Sample Type: Water
 Sample Source: Grab
 Sampler: Client
 Client Sample ID: [REDACTED]

Sample Date: 09/04/2013 12:45
 Receipt Date: 09/04/2013 13:20

Analyte	Sample Result	Units	Data Qualifier	RL	Method	Analyst/ Certification	Analysis Date/Time
General Chemistry							
Acidity	-269	mg/L			SM2310 B	JRM	09/07/13 16:59
Alkalinity, Total (CaCO3)	248	mg/L		20.0	SM2320B	JL	09/13/13 17:03
Ammonia as N	0.202	mg/L		0.111	SM4500NH3D	ZTR	09/20/13 18:21
Bromide	ND	mg/L		1.00	ASTMD1246 95C	JMH	09/11/13 13:10
Chloride	6.00	mg/L	H	5.00	SM4500CID	LAL	10/04/13 13:35
Surfactants	ND	mg/L		0.200	SM5540C	RLG	09/05/13 09:10
Nitrate	ND	mg/L		1.40	SM4500NO3D	ZTR	09/04/13 22:00
Oil & Grease (HEM)	ND	mg/L		5.00	EPA1664A	MBR	09/06/13 11:30
pH	7.87	S.U.	R	1.00	SM4500-H B	JL	09/13/13 17:08
Specific Conductance	670.6	umhos/cm		1.0	SM2510B	JL	09/13/13 17:05
Sulfate	21.3	mg/L		5.0	ASTMD516 02	JMH	09/13/13 15:15
Sulfide	ND	mg/L		1.00	SM4500S F	AJD	09/10/13 17:39
Total Dissolved Solids	370	mg/L		25.0	SM2540C	LMB	09/05/13 12:00
Total Suspended Solids	ND	mg/L		5.0	SM2540D	LMB	09/05/13 12:00
Total Metals							
Arsenic	ND	mg/L		0.010	EPA200.7	BEE	09/20/13 12:09
Barium	0.640	mg/L		0.005	EPA200.7	BEE	09/20/13 12:09
Calcium	109	mg/L		0.500	EPA200.7	BEE	09/20/13 12:09
Hardness	336	mg/L			SM2340B	BEE	09/20/13 15:12
Iron	0.199	mg/L		0.020	EPA200.7	BEE	09/20/13 12:09
Lead	ND	mg/L		0.010	EPA200.7	BEE	09/20/13 12:09
Magnesium	15.8	mg/L		0.500	EPA200.7	BEE	09/20/13 15:12
Manganese	0.116	mg/L		0.005	EPA200.7	BEE	09/20/13 12:09
Nickel	ND	mg/L		0.005	EPA200.7	BEE	09/20/13 12:09
Potassium	1.80	mg/L		0.500	EPA200.7	BEE	09/20/13 12:09
Selenium	ND	mg/L		0.020	EPA200.7	BEE	09/20/13 12:09
Sodium	9.79	mg/L		0.500	EPA200.7	BEE	09/20/13 12:09
Strontium	0.878	mg/L		0.010	EPA200.7	BEE	09/20/13 12:09
Zinc	ND	mg/L		0.010	EPA200.7	BEE	09/20/13 12:09

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Analyte	Sample Result	Units	Data Qualifier	RL	Method	Analyst/ Certification	Analysis Date/Time
Dissolved Gases							
Ethane	ND	mg/L		2.52	EPA8015 Extended	JMG	09/05/13 10:58
Methane	ND	mg/L		2.50	EPA8015 Extended	JMG	09/05/13 10:58
Volatile Organics							
Dichlorodifluoromethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Chloromethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Vinyl chloride	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Bromomethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Chloroethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Trichlorofluoromethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Acrolein	ND	ug/L		5.00	EPA8260	ro	09/05/13 12:32
1,1-Dichloroethene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Acetone	ND	ug/L		2.00	EPA8260	ro	09/05/13 12:32
Methylene Chloride	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Acrylonitrile	ND	ug/L		5.00	EPA8260	ro	09/05/13 12:32
Methyl-tert-butyl ether	ND	ug/L		2.00	EPA8260	ro	09/05/13 12:32
trans-1,2-Dichloroethene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,1-Dichloroethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
2-Butanone	ND	ug/L		2.00	EPA8260	ro	09/05/13 12:32
2,2-Dichloropropane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
cis-1,2-Dichloroethene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Chloroform	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Bromochloromethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,1,1-Trichloroethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,1-Dichloropropene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Carbon Tetrachloride	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Benzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2-Dichloroethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Trichloroethene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2-Dichloropropane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,4-Dioxane	ND	ug/L		20.0	EPA8260	ro	09/05/13 12:32
Dibromomethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Bromodichloromethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32

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Sample Date: 09/04/2013 12:45
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Analyte	Sample Result	Units	Data Qualifier	RL	Method	Analyst/ Certification	Analysis Date/Time
Volatile Organics							
2-Chloroethyl vinyl ether	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
cis-1,3-Dichloropropene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
4-Methyl-2-pentanone	ND	ug/L		2.00	EPA8260	ro	09/05/13 12:32
Toluene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
trans-1,3-Dichloropropene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2,3-Trichloropropane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,1,2-Trichloroethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,3-Dichloropropane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Tetrachloroethene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
2-Hexanone	ND	ug/L		2.00	EPA8260	ro	09/05/13 12:32
Dibromochloromethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2-Dibromoethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Chlorobenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,1,1,2-Tetrachloroethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Ethyl Benzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
m,p-Xylenes	ND	ug/L		2.00	EPA8260	ro	09/05/13 12:32
o-Xylene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Styrene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Isopropylbenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Bromoform	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,1,2,2-Tetrachloroethane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
n-Propyl Benzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,3,5-Trimethylbenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Bromobenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
2-Chlorotoluene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
4-Chlorotoluene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
tert-Butylbenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2,4-Trimethylbenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
sec-Butylbenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
4-Isopropyltoluene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,3-Dichlorobenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Butylbenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32

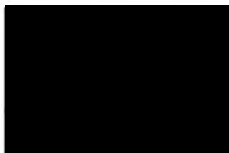
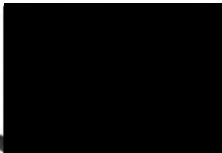
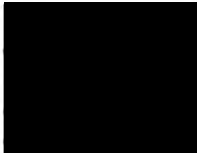
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Volatile Organics							
1,4-Dichlorobenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2-Dichlorobenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2-Dibromo-3-chloropropane	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2,4-Trichlorobenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Naphthalene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
1,2,3-Trichlorobenzene	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Total Xylenes	ND	ug/L		1.00	EPA8260	ro	09/05/13 12:32
Surrogate: 1,2-Dichloroethane-d4	91 %		86-118		EPA8260	ro	09/05/13 12:32
Surrogate: Toluene-d8	99 %		88-110		EPA8260	ro	09/05/13 12:32
Surrogate: 4-Bromofluorobenzene	95 %		86-115		EPA8260	ro	09/05/13 12:32



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Lab Sample ID#:
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 Sample Source: Grab
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 Client Sample ID:

Sample Date: 09/04/2013 12:50
 Receipt Date: 09/04/2013 13:20

Analyte	Sample Result	Units	Data Qualifier	RL	Method	Analyst/Certification	Analysis Date/Time
Microbiology							
Total Coliform	Present	per 100 mL		1	SM9223B	CJB/S	09/05/13 14:10
E. Coli	Absent	per 100 mL		1	SM9223B	CJB/S	09/05/13 14:10
<i>Above analysis prepared on 09/04/13 14:10</i>							

SAMPLE REQUEST & CHAIN OF CUSTODY

PAGE _____ OF _____



FOR INTERNAL LABORATORY USE ONLY

Sample Identification	Sample Type				Matrix	# of Containers	Container Type	Analysis Requested
	Composite	Grab						
	Date on/off	Time on/off	Date	Time				
[Redacted]	3090181		9-4-13	12:45	W	3	Plastic Liter Preservative: none	pH, Alkalinity, Chloride, SC, Sulfate, TSS, TDS, MBAS, Nitrate, Bromide, Acidity,
[Redacted]					W	1	Plastic Liter NaOH/ Zn Acetate (at lab)	Sulfide
[Redacted]					W	1	Plastic Pint H2SO4	Ammonia
[Redacted]					W	1	Plastic Pint HNO3	As, Ba, Ca, Fe, Pb, Mg, Mn, Ni, K, Na, Se, Sr, Zn, Hardness
[Redacted]					W	2	Plastic Liter HNO3	Uranium, Gross Alpha, Gross Beta
[Redacted]					W	1	Amber Liter HCl	Oil and Grease
[Redacted]					W	2	40mL VOA Vials HCl	VOC
[Redacted]				12:50	W	1	Sterile Plastic NaTrioSulfate	TC/EC
[Redacted]				11:45	W	2	40mL VOA Vials none	Methane, Ethane

Project Notes:

THE UNDERSIGNED PURCHASER HEREBY AGREES TO PAY SERVICE CHARGES ON ACCOUNTS OVER 31 DAYS OLD.
 1. THESE SERVICE CHARGES WILL ACCRUE AT THE RATE OF 1 1/2% PER MONTH (18% PER ANNUM OR THE MAXIMUM ALLOWED BY LAW.)
 2. THE UNDERSIGNED PURCHASER AGREES TO PAY, IN THE EVENT HIS ACCOUNT BECOMES DELINQUENT AND IS TURNED OVER TO ANY ATTORNEY FOR COLLECTION, REASONABLE ATTORNEY'S FEES PLUS ALL COURT AND ATTENDANT COLLECTION COSTS.

Sampled By: (Signature) [Redacted] Date/ Time [Redacted]

Relinquished By: (Signature) [Redacted] Date/ Time [Redacted]

Received By: (Signature) [Redacted] Date/ Time 9/4/13

Received By: (Signature) [Redacted] Date/ Time [Redacted]

Company/Name: DW Environmental Systems

Contact Person: Daniel Wysni

Address: [Redacted]

Phone: [Redacted]

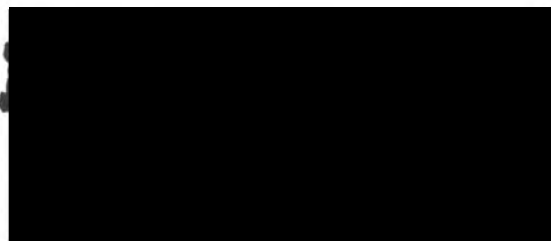
E-mail: [Redacted]

Lab Use Only: Correct Preservation: Y / N / N/A Correct Container: Y / N / N/A

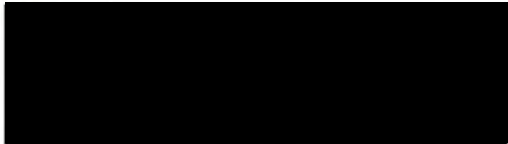
TEMPERATURE 70 00 02

Lab ID

PA: [REDACTED]



SEND DATA TO:



WO#: [REDACTED]

PO#:

PWS ID#

TEST REPORT

PHONE: [REDACTED]

FAX: [REDACTED]

3090181

Page 1 of 1

SAMPLE: [REDACTED]

Lab ID: [REDACTED]

SAMPLED BY: Client

Fraction: 13091533-001A		Grab	Sampled: 09/04/2013 12:45			Received: 09/11/2013 11:00		By GMD	
Test	Result ± Uncertainty	MDA	Qual	Method	Reg Limit	Analysis Start	Analysis End	Analyst *	
Gross Alpha	1.79 ± 0.95 pCi/L	2.90		EPA 900.0	15	09/12/13 9:05	09/16/13	KBA-CV	
Gross Beta	1.20 ± 0.84 pCi/L	2.78		EPA 900.0		09/12/13 9:05	09/16/13	KBA-CV	
Test	Result		Qual	Method	Reg Limit	Analysis Start	Analysis End	Analyst *	
Combined Activity (Alpha + Beta)	2.99 pCi/L			Calculation		09/18/13 9:15		DTG-CV	

Fraction: 13091533-001B		Grab	Sampled: 09/04/2013 12:45			Received: 09/11/2013 11:00		By GMD	
Test	Result		Qual	Method	Reg Limit	Analysis Start	Analysis End	Analyst *	
Uranium	< 0.50 µg/L			EPA 200.8	30	09/16/13 12:30	09/17/13	SD2-CV	
Uranium	< 0.34 pCi/L			EPA 200.8		09/16/13 12:30	09/17/13	SD2-CV	

REMARKS:

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAP standard unless otherwise noted on the Analytical Report.

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER [REDACTED]

DATE:

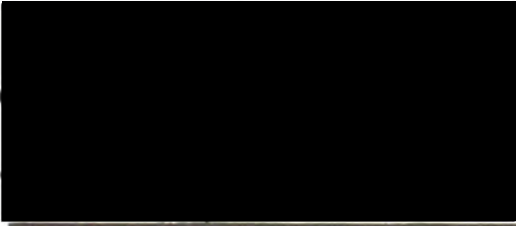
09/18/13

SUBCONTRACT ORDER



SENDING LABORATORY:

RECEIVING LABORATORY:



Fax: -

Analysis Due Expires Laboratory ID Comments

Sample ID: 3090181-01 Water Sampled:09/04/2013 12:45

Uranium 09/18/2013 14:00 10/02/2013 12:45

Gross Beta 09/18/2013 14:00 10/02/2013 12:45

Gross Alpha 09/18/2013 14:00 10/02/2013 12:45

Containers Supplied:

(2)



GL, Grab



09/11/13 11:00

CV



Released By

Date

Received By

Date

Released By

Date

Received By

Date