SGS North America Inc.
Alaska Division
Level II Laboratory Data Report

Project:	3354-003 Red Hill BFSF
Client:	The Environmental Company, Inc. (TEC)
SGS Work Order:	1095639

Released by:

C. Homestead SGS

Charles Homestead
Alaska Division General Manager

Charles Homestead 2009.11.03 15:36:46 -09'00'

Contents:

Note:
Unless otherwise noted, all quality assurance/quality control criteria is in compliance with the standards set forth by the proper regulatory authority, the SGS Quality Assurance Program Plan, and the National Environmental Accreditation Conference.

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CASE NARRATIVE

Print Date: 11/2/2009

Client Name: The Environmental Company, Inc. (TEC)
Project Name: 3354-003 Red Hill BFSF
Workorder No.: 1095639

Sample Comments

Refer to the sample receipt form for information on sample condition.

Lab Sample ID	Sample Type	Client Sample ID
1095639002	BMS	RHMW2254-WG17 MS
	8260B - MS/MSD recoveries for trichlorofluoromethane and carbontetrachloride do not meet QC criteria. Refer to LCS for accuracy. Results for these analytes are estimated in the original sample. AK101 - MS recovery for GRO does not meet QC criteria (biased high). See LCS/LCSD for accuracy.	
1095639003	BMSD	RHMW2254-WG17 MSD
	8260B - MS/MSD recoveries for trichlorofluoromethane and carbontetrachloride do not meet QC criteria. Refer to LCS for accuracy. Results for these analytes are estimated in the original sample.	
1095639005	PS	RHMW02-WG17
	8015C 102 - The pattern is consistent with a weathered middle distillate.	
1095639006	PS	RHMWA01-WG17
	8015C 102 - The pattern is consistent with a weathered middle distillate.	
1095639008	PS	RHMW05-WG17
	8015C 102 - Unknown hydrocarbon with several peaks is present.	
933159	CCV	CCV for HBN 221891 [VMS/10945]
	8260B - CCV recovery for dichlorodifluoromethane does not meet QC criteria (biased high). This analyte was not detected above the PQL in the associated samples	
934050	LCS	LCS for HBN 222065 [VXX/20165]
	8260B - LCS recoveries for several analytes do not meet QC criteria (biased high). These analytes were not detected above the PQL in the associated samples	
934051	LCSD	LCSD for HBN 222065 [VXX/20165
	8260B - LCSD recoveries for several analytes do not meet QC criteria (biased high). These analytes were not detected above the PQL in the associated samples	
934053	CCV	CCV for HBN 222066 [VMS/10954]
	8260B - CCV recoveries for several analytes do not meet QC criteria (biased high). These analytes were not detected above the PQL in the associated samples	

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Print Date: 11/2/2009

Enclosed are the analytical results associated with this workorder.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by SGS. A copy of our Quality Assurance Plan (QAP), which outlines this program is available at your request.

The Laboratory certification numbers are AK971-05 (DW), UTS-005 (CS) and AK00971 (Micro) for ADEC and AK100001 for NELAP (RCRA methods: 1020A, 1311, 6010B, 7470A, 7471A, 9040B, 9045C, 9056, 9060, 8015B, 8021B, 8081A/8082, 8260B, 8270C).

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth by the SGS QAP, the National Environmental Laboratory Accreditation Program and, when applicable, other regulatory authorities.

If you have any questions regarding this report or if we can be of any assistance, please contact your SGS Project Manager at 907-562-2343. All work is being provided under SGS general terms and conditions (http://www.sgs.com/terms_and_conditions.htm)

The following descriptors may be found on your report which will serve to further qualify the data.

MDL	Method Detection Limit
PQL	Practical Quantitation Limit (reporting limit).
CL	Control Limit
U	Indicates the analyte was analyzed for but not detected.
F	Indicates value that is greater than or equal to the MDL.
J	The quantitation is an estimation.
ND	Indicates the analyte is not detected
B	Indicates the analyte is found in a blank associated with the sample.
*	The analyte has exceeded allowable regulatory or control limits.
D	The analyte concentration is the result of dilution.
GT	Greater Than
LT	Less Than
Q	QC parameter out of acceptance range.
M	A matrix effect was present.
E	The analyte result is above the calibrated range.
R	Rejected
DF	Analytical Dilution Factor
JL	The analyte was positively identified, but the quantitation is a low estimation.
<Surr>	Surrogate QC spiked standard
<Surr/IS>	Surrogate / Internal Standard QC spiked standard
QC	Quality Control
QA	Quality Assurance
MB	Method Blank
LCS (D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
BMS(D)	Site Specific Matrix Spike (Duplicate)
RPD	Relative Percent Difference
ICV	Initial Calibration Verification
CCV	Continuous Calibration Verification
MSA	Method of Standard Addition

Notes: Soil samples are reported on a dry weight basis unless otherwise specified

All DRO/RRO analyses are integrated per SOP.

SAMPLE SUMMARY

Print Date: 11/2/2009 4:48 pm

Client Name: The Environmental Company, Inc. (TEC)
Project Name: 3354-003 Red Hill BFSF
Workorder No.: 1095639

Analytical Methods

Method Description	Analytical Method
8270 PAH SIM Semi-Vol GC/MS Liq/Liq ext.	8270D SIMS
AFCEE 3.1 8260 (W)	SW8260B
Dissolved Metals by ICP-MS	SW6020
DRO by 8015C (W)	SW8015C
GRO (W)	SW8015C

Sample ID Cross Reference

Lab Sample ID	Client Sample ID
1095639001	RHMW2254-WG17
1095639002	RHMW2254-WG17 MS
1095639003	RHMW2254-WG17 MSD
1095639004	RHMW03-WG17
1095639005	RHMW02-WG17
1095639006	RHMWA01-WG17
1095639007	RHMW01-WG17
1095639008	RHMW05-WG17
1095639009	TB01-WG17

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Report of Manual Integrations

Print Date: 11/2/2009 4:48 pm

Laboratory ID	Client Sample ID	Analytical Batch	Method	Analyte	Reason
1095639007	RHMW01-WG17	VMS10945	SW8260B	4-Isopropyltoluene	RP

Manual Integration Reason Code Descriptions

Code	Description
O	Original Chromatogram
M	Modified Chromatogram
SS	Skimmed surrogate
BLG	Closed baseline gap
RP	Reassign peak name
PIR	Pattern integration required
IT	Included tail
SP	Split peak
RSP	Removed split peak
FPS	Forced peak start/stop
BLC	Baseline correction
PNF	Peak not found by software

All DRO/RRO analysis are integrated per SOP.

Laboratory Analytical Report

Client: **The Environmental Company, Inc.**
1001 Bishop Street, Suite 1400
Honolulu, HI 96813

Attn: **Rick Adkisson**
T: (808)528-1445 F:(808)528-0768

Project: **3354-003 Red Hill BFSF**

Workorder No.: **1095639**

Certification:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, other than the conditions noted on the sample data sheet(s) and/or the case narrative. This certification applies only to the tested parameters and the specific sample(s) received at the laboratory.

If you have any questions regarding this report, or if we can be of further assistance, please contact your SGS Project Manager.

Heather Hall
Heather.Hall@sgs.com
Quality Assurance Manager

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW2254-WG17**
SGS Ref. #: 1095639001
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 09:15
Receipt Date/Time: 10/16/09 10:45

Dissolved Metals by ICP/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Lead	ND	1.00	0.310	ug/L	5	MMS6169	MXX22450	

Batch Information

Analytical Batch: MMS6169
Analytical Method: SW6020
Analysis Date/Time: 11/02/09 00:47
Dilution Factor: 5

Prep Batch: MXX22450
Prep Method: SW3010A
Prep Date/Time: 10/26/09 17:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1095639001-G
Analyst: NRB

Client Sample ID: **RHMW2254-WG17**
SGS Ref. #: 1095639001
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 09:15
Receipt Date/Time: 10/16/09 10:45

Volatile Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Gasoline Range Organics	ND	100	30.0	ug/L	1	VFC9728	VXX20181	
4-Bromofluorobenzene <surr>	95.3	50-150		%	1	VFC9728	VXX20181	

Batch Information

Analytical Batch: VFC9728
Analytical Method: SW8015C
Analysis Date/Time: 10/24/09 19:02
Dilution Factor: 1

Prep Batch: VXX20181
Prep Method: SW5030B
Prep Date/Time: 10/24/09 13:29

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1095639001-B
Analyst: KPW

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The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW2254-WG17**
SGS Ref. #: 1095639001
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 09:15
Receipt Date/Time: 10/16/09 10:45

Semivolatile Organic Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	ND	0.421	0.158	mg/L	1	XFC8990	XXX21847	
5a Androstane <surr>	73.5	50-150		%	1	XFC8990	XXX21847	

Batch Information

Analytical Batch: XFC8990
Analytical Method: SW8015C
Analysis Date/Time: 10/26/09 12:29
Dilution Factor: 1

Prep Batch: XXX21847
Prep Method: SW3520C
Prep Date/Time: 10/19/09 10:35

Initial Prep Wt./Vol.: 950 mL
Prep Extract Vol.: 1 mL
Container ID:1095639001-H
Analyst: KDC

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The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW2254-WG17**
SGS Ref. #: 1095639001
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 09:15
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	ND	0.400	0.120	ug/L	1	VMS10954	VXX20165	
Toluene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS10954	VXX20165	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS10954	VXX20165	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS10954	VXX20165	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS10954	VXX20165	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS10954	VXX20165	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Styrene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Acetone	ND	10.0	3.10	ug/L	1	VMS10954	VXX20165	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10954	VXX20165	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS10954	VXX20165	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS10954	VXX20165	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS10954	VXX20165	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS10954	VXX20165	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10954	VXX20165	
Chloroform	ND	1.00	0.300	ug/L	1	VMS10954	VXX20165	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS10954	VXX20165	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	

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The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW2254-WG17**
SGS Ref. #: 1095639001
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 09:15
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Chloroethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS10954	VXX20165	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS10954	VXX20165	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS10954	VXX20165	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS10954	VXX20165	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS10954	VXX20165	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Bromoform	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1-Chlorohexane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10954	VXX20165	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS10954	VXX20165	
1,2-Dichloroethane-D4 <surr>	103	73-120		%	1	VMS10954	VXX20165	
Toluene-d8 <surr>	101	80-120		%	1	VMS10954	VXX20165	
4-Bromofluorobenzene <surr>	104	76-120		%	1	VMS10954	VXX20165	

Client Sample ID: **RHMW2254-WG17**
SGS Ref. #: 1095639001
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 09:15
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Batch Information								
Analytical Batch: VMS10954		Prep Batch: VXX20165				Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SW8260B		Prep Method: SW5030B				Prep Extract Vol.: 5 mL		
Analysis Date/Time: 10/20/09 18:10		Prep Date/Time: 10/20/09 08:22				Container ID:1095639001-E		
Dilution Factor: 1						Analyst: SCL		

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The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW2254-WG17**
SGS Ref. #: 1095639001
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 09:15
Receipt Date/Time: 10/16/09 10:45

Polynuclear Aromatics GC/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Acenaphthylene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Acenaphthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Fluorene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Phenanthrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Pyrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo(a)Anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Chrysene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[b]Fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[k]fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[a]pyrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Indeno[1,2,3-c,d] pyrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Dibenzo[a,h]anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[g,h,i]perylene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Naphthalene	ND	0.114	0.0352	ug/L	1	XMS5164	XXX21842	
1-Methylnaphthalene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
2-Methylnaphthalene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Terphenyl-d14 <surr>	104	50-135		%	1	XMS5164	XXX21842	

Batch Information

Analytical Batch: XMS5164
Analytical Method: 8270D SIMS
Analysis Date/Time: 10/25/09 18:49
Dilution Factor: 1

Prep Batch: XXX21842
Prep Method: SW3520C
Prep Date/Time: 10/18/09 08:40

Initial Prep Wt./Vol.: 880 mL
Prep Extract Vol.: 1 mL
Container ID:1095639001-J
Analyst: JDH

Client Sample ID: **RHMW03-WG17**
SGS Ref. #: 1095639004
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 11:05
Receipt Date/Time: 10/16/09 10:45

Dissolved Metals by ICP/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Lead	ND	1.00	0.310	ug/L	5	MMS6169	MXX22450	

Batch Information

Analytical Batch: MMS6169
Analytical Method: SW6020
Analysis Date/Time: 11/02/09 00:58
Dilution Factor: 5

Prep Batch: MXX22450
Prep Method: SW3010A
Prep Date/Time: 10/26/09 17:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1095639004-G
Analyst: NRB

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW03-WG17**
SGS Ref. #: 1095639004
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 11:05
Receipt Date/Time: 10/16/09 10:45

Volatile Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Gasoline Range Organics	ND	100	30.0	ug/L	1	VFC9728	VXX20181	
4-Bromofluorobenzene <surr>	99.7	50-150		%	1	VFC9728	VXX20181	

Batch Information

Analytical Batch: VFC9728
Analytical Method: SW8015C
Analysis Date/Time: 10/24/09 20:10
Dilution Factor: 1

Prep Batch: VXX20181
Prep Method: SW5030B
Prep Date/Time: 10/24/09 13:29

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1095639004-B
Analyst: KPW

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW03-WG17**
SGS Ref. #: 1095639004
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 11:05
Receipt Date/Time: 10/16/09 10:45

Semivolatile Organic Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	ND	0.435	0.163	mg/L	1	XFC8990	XXX21847	
5a Androstane <surr>	79	50-150		%	1	XFC8990	XXX21847	

Batch Information

Analytical Batch: XFC8990
Analytical Method: SW8015C
Analysis Date/Time: 10/26/09 13:01
Dilution Factor: 1

Prep Batch: XXX21847
Prep Method: SW3520C
Prep Date/Time: 10/19/09 10:35

Initial Prep Wt./Vol.: 920 mL
Prep Extract Vol.: 1 mL
Container ID:1095639004-H
Analyst: KDC

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW03-WG17**
SGS Ref. #: 1095639004
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 11:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
Toluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Styrene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Acetone	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS10945	VXX20145	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
Chloroform	ND	1.00	0.300	ug/L	1	VMS10945	VXX20145	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS10945	VXX20145	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	

Client Sample ID: **RHMW03-WG17**
SGS Ref. #: 1095639004
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 11:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Chloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS10945	VXX20145	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromoform	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1-Chlorohexane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane-D4 <surr>	96.9	73-120		%	1	VMS10945	VXX20145	
Toluene-d8 <surr>	104	80-120		%	1	VMS10945	VXX20145	
4-Bromofluorobenzene <surr>	106	76-120		%	1	VMS10945	VXX20145	

Client Sample ID: **RHMW03-WG17**
SGS Ref. #: 1095639004
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 11:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Batch Information								
Analytical Batch: VMS10945		Prep Batch: VXX20145				Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SW8260B		Prep Method: SW5030B				Prep Extract Vol.: 5 mL		
Analysis Date/Time: 10/19/09 22:38		Prep Date/Time: 10/19/09 08:11				Container ID:1095639004-A		
Dilution Factor: 1						Analyst: SCL		

Client Sample ID: **RHMW03-WG17**
SGS Ref. #: 1095639004
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 11:05
Receipt Date/Time: 10/16/09 10:45

Polynuclear Aromatics GC/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Acenaphthylene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Acenaphthene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Fluorene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Phenanthrene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Anthracene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Fluoranthene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Pyrene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Benzo(a)Anthracene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Chrysene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Benzo[b]Fluoranthene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Benzo[k]fluoranthene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Benzo[a]pyrene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Indeno[1,2,3-c,d] pyrene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Dibenzo[a,h]anthracene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Benzo[g,h,i]perylene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Naphthalene	ND	0.112	0.0348	ug/L	1	XMS5164	XXX21842	
1-Methylnaphthalene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
2-Methylnaphthalene	ND	0.0562	0.0169	ug/L	1	XMS5164	XXX21842	
Terphenyl-d14 <surr>	99	50-135		%	1	XMS5164	XXX21842	

Batch Information

Analytical Batch: XMS5164
Analytical Method: 8270D SIMS
Analysis Date/Time: 10/25/09 20:33
Dilution Factor: 1

Prep Batch: XXX21842
Prep Method: SW3520C
Prep Date/Time: 10/18/09 08:40

Initial Prep Wt./Vol.: 890 mL
Prep Extract Vol.: 1 mL
Container ID:1095639004-J
Analyst: JDH

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW02-WG17**
SGS Ref. #: 1095639005
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 16:15
Receipt Date/Time: 10/16/09 10:45

Dissolved Metals by ICP/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Lead	ND	1.00	0.310	ug/L	5	MMS6169	MXX22450	

Batch Information

Analytical Batch: MMS6169
Analytical Method: SW6020
Analysis Date/Time: 11/02/09 01:00
Dilution Factor: 5

Prep Batch: MXX22450
Prep Method: SW3010A
Prep Date/Time: 10/26/09 17:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1095639005-G
Analyst: NRB

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW02-WG17**
SGS Ref. #: 1095639005
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 16:15
Receipt Date/Time: 10/16/09 10:45

Volatile Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Gasoline Range Organics	36.9 J	100	30.0	ug/L	1	VFC9728	VXX20181	
4-Bromofluorobenzene <surr>	119	50-150		%	1	VFC9728	VXX20181	

Batch Information

Analytical Batch: VFC9728
Analytical Method: SW8015C
Analysis Date/Time: 10/24/09 20:33
Dilution Factor: 1

Prep Batch: VXX20181
Prep Method: SW5030B
Prep Date/Time: 10/24/09 13:29

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1095639005-B
Analyst: KPW

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW02-WG17**
SGS Ref. #: 1095639005
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 16:15
Receipt Date/Time: 10/16/09 10:45

Semivolatile Organic Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	2.57	0.449	0.169	mg/L	1	XFC8990	XXX21847	
5a Androstane <surr>	74.4	50-150		%	1	XFC8990	XXX21847	

Batch Information

Analytical Batch: XFC8990
Analytical Method: SW8015C
Analysis Date/Time: 10/26/09 13:12
Dilution Factor: 1

Prep Batch: XXX21847
Prep Method: SW3520C
Prep Date/Time: 10/19/09 10:35

Initial Prep Wt./Vol.: 890 mL
Prep Extract Vol.: 1 mL
Container ID:1095639005-H
Analyst: KDC

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW02-WG17**
SGS Ref. #: 1095639005
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 16:15
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
Toluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
n-Butylbenzene	2.98	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
n-Propylbenzene	4.16	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Styrene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Acetone	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS10945	VXX20145	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
Chloroform	ND	1.00	0.300	ug/L	1	VMS10945	VXX20145	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS10945	VXX20145	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW02-WG17**
SGS Ref. #: 1095639005
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 16:15
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Chloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
sec-Butylbenzene	4.71	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS10945	VXX20145	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Naphthalene	23.3	2.00	0.620	ug/L	1	VMS10945	VXX20145	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromoform	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1-Chlorohexane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
tert-Butylbenzene	0.820 J	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Isopropylbenzene (Cumene)	3.49	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane-D4 <surr>	103	73-120		%	1	VMS10945	VXX20145	
Toluene-d8 <surr>	101	80-120		%	1	VMS10945	VXX20145	
4-Bromofluorobenzene <surr>	105	76-120		%	1	VMS10945	VXX20145	

Client Sample ID: **RHMW02-WG17**
SGS Ref. #: 1095639005
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 16:15
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Batch Information								
Analytical Batch: VMS10945		Prep Batch: VXX20145				Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SW8260B		Prep Method: SW5030B				Prep Extract Vol.: 5 mL		
Analysis Date/Time: 10/19/09 23:11		Prep Date/Time: 10/19/09 08:11				Container ID:1095639005-A		
Dilution Factor: 1						Analyst: SCL		

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW02-WG17**
SGS Ref. #: 1095639005
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 16:15
Receipt Date/Time: 10/16/09 10:45

Polynuclear Aromatics GC/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Acenaphthylene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Acenaphthene	0.200	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Fluorene	0.0979	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Phenanthrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Pyrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo(a)Anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Chrysene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[b]Fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[k]fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[a]pyrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Indeno[1,2,3-c,d] pyrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Dibenzo[a,h]anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[g,h,i]perylene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Naphthalene	6.77	0.568	0.176	ug/L	5	XMS5166	XXX21842	
1-Methylnaphthalene	2.46	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
2-Methylnaphthalene	0.486	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Terphenyl-d14 <surr>	93.3	50-135		%	1	XMS5164	XXX21842	

Batch Information

Analytical Batch: XMS5164
Analytical Method: 8270D SIMS
Analysis Date/Time: 10/25/09 21:08
Dilution Factor: 1
Prep Batch: XXX21842
Prep Method: SW3520C
Prep Date/Time: 10/18/09 08:40
Initial Prep Wt./Vol.: 880 mL
Prep Extract Vol.: 1 mL
Container ID:1095639005-J
Analyst: JDH

Analytical Batch: XMS5166
Analytical Method: 8270D SIMS
Analysis Date/Time: 10/26/09 11:26
Dilution Factor: 5
Prep Batch: XXX21842
Prep Method: SW3520C
Prep Date/Time: 10/18/09 08:40
Initial Prep Wt./Vol.: 880 mL
Prep Extract Vol.: 1 mL
Container ID:1095639005-J
Analyst: JDH

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMWA01-WG17**
SGS Ref. #: 1095639006
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 12:05
Receipt Date/Time: 10/16/09 10:45

Dissolved Metals by ICP/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Lead	ND	1.00	0.310	ug/L	5	MMS6169	MXX22450	

Batch Information

Analytical Batch: MMS6169
Analytical Method: SW6020
Analysis Date/Time: 11/02/09 01:02
Dilution Factor: 5

Prep Batch: MXX22450
Prep Method: SW3010A
Prep Date/Time: 10/26/09 17:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1095639006-G
Analyst: NRB

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMWA01-WG17**
SGS Ref. #: 1095639006
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 12:05
Receipt Date/Time: 10/16/09 10:45

Volatile Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Gasoline Range Organics	ND	100	30.0	ug/L	1	VFC9728	VXX20181	
4-Bromofluorobenzene <surr>	118	50-150		%	1	VFC9728	VXX20181	

Batch Information

Analytical Batch: VFC9728
Analytical Method: SW8015C
Analysis Date/Time: 10/24/09 20:55
Dilution Factor: 1

Prep Batch: VXX20181
Prep Method: SW5030B
Prep Date/Time: 10/24/09 13:29

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1095639006-B
Analyst: KPW

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMWA01-WG17**
SGS Ref. #: 1095639006
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 12:05
Receipt Date/Time: 10/16/09 10:45

Semivolatile Organic Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	2.57	0.455	0.170	mg/L	1	XFC8990	XXX21847	
5a Androstane <surr>	76.2	50-150		%	1	XFC8990	XXX21847	

Batch Information

Analytical Batch: XFC8990
Analytical Method: SW8015C
Analysis Date/Time: 10/26/09 13:22
Dilution Factor: 1

Prep Batch: XXX21847
Prep Method: SW3520C
Prep Date/Time: 10/19/09 10:35

Initial Prep Wt./Vol.: 880 mL
Prep Extract Vol.: 1 mL
Container ID:1095639006-H
Analyst: KDC

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMWA01-WG17**
SGS Ref. #: 1095639006
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 12:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
Toluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
n-Butylbenzene	2.23	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
n-Propylbenzene	3.79	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Styrene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Acetone	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS10945	VXX20145	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
Chloroform	ND	1.00	0.300	ug/L	1	VMS10945	VXX20145	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS10945	VXX20145	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMWA01-WG17**
SGS Ref. #: 1095639006
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 12:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Chloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
sec-Butylbenzene	4.43	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS10945	VXX20145	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Naphthalene	20.0	2.00	0.620	ug/L	1	VMS10945	VXX20145	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromoform	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1-Chlorohexane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
tert-Butylbenzene	0.790 J	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Isopropylbenzene (Cumene)	3.40	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane-D4 <surr>	101	73-120		%	1	VMS10945	VXX20145	
Toluene-d8 <surr>	101	80-120		%	1	VMS10945	VXX20145	
4-Bromofluorobenzene <surr>	102	76-120		%	1	VMS10945	VXX20145	

Client Sample ID: **RHMWA01-WG17**
SGS Ref. #: 1095639006
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 12:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Batch Information								
Analytical Batch: VMS10945		Prep Batch: VXX20145				Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SW8260B		Prep Method: SW5030B				Prep Extract Vol.: 5 mL		
Analysis Date/Time: 10/19/09 23:44		Prep Date/Time: 10/19/09 08:11				Container ID:1095639006-A		
Dilution Factor: 1						Analyst: SCL		

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMWA01-WG17**
SGS Ref. #: 1095639006
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 12:05
Receipt Date/Time: 10/16/09 10:45

Polynuclear Aromatics GC/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Acenaphthylene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Acenaphthene	0.210	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Fluorene	0.0935	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Phenanthrene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Anthracene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Fluoranthene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Pyrene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Benzo(a)Anthracene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Chrysene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Benzo[b]Fluoranthene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Benzo[k]fluoranthene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Benzo[a]pyrene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Indeno[1,2,3-c,d] pyrene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Dibenzo[a,h]anthracene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Benzo[g,h,i]perylene	ND	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Naphthalene	7.82	0.595	0.185	ug/L	5	XMS5166	XXX21842	
1-Methylnaphthalene	4.03	0.298	0.0893	ug/L	5	XMS5166	XXX21842	
2-Methylnaphthalene	0.783	0.0595	0.0179	ug/L	1	XMS5164	XXX21842	
Terphenyl-d14 <surr>	93.6	50-135		%	1	XMS5164	XXX21842	

Batch Information

Analytical Batch: XMS5164
Analytical Method: 8270D SIMS
Analysis Date/Time: 10/25/09 21:43
Dilution Factor: 1
Prep Batch: XXX21842
Prep Method: SW3520C
Prep Date/Time: 10/18/09 08:40
Initial Prep Wt./Vol.: 840 mL
Prep Extract Vol.: 1 mL
Container ID:1095639006-J
Analyst: JDH

Analytical Batch: XMS5166
Analytical Method: 8270D SIMS
Analysis Date/Time: 10/26/09 12:00
Dilution Factor: 5
Prep Batch: XXX21842
Prep Method: SW3520C
Prep Date/Time: 10/18/09 08:40
Initial Prep Wt./Vol.: 840 mL
Prep Extract Vol.: 1 mL
Container ID:1095639006-J
Analyst: JDH

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW01-WG17**
SGS Ref. #: 1095639007
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 15:35
Receipt Date/Time: 10/16/09 10:45

Dissolved Metals by ICP/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Lead	ND	1.00	0.310	ug/L	5	MMS6169	MXX22450	

Batch Information

Analytical Batch: MMS6169
Analytical Method: SW6020
Analysis Date/Time: 11/02/09 01:11
Dilution Factor: 5

Prep Batch: MXX22450
Prep Method: SW3010A
Prep Date/Time: 10/26/09 17:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1095639007-G
Analyst: NRB

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW01-WG17**
SGS Ref. #: 1095639007
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 15:35
Receipt Date/Time: 10/16/09 10:45

Volatile Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Gasoline Range Organics	ND	100	30.0	ug/L	1	VFC9728	VXX20181	
4-Bromofluorobenzene <surr>	105	50-150		%	1	VFC9728	VXX20181	

Batch Information

Analytical Batch: VFC9728
Analytical Method: SW8015C
Analysis Date/Time: 10/24/09 21:18
Dilution Factor: 1

Prep Batch: VXX20181
Prep Method: SW5030B
Prep Date/Time: 10/24/09 13:29

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1095639007-B
Analyst: KPW

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW01-WG17**
SGS Ref. #: 1095639007
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 15:35
Receipt Date/Time: 10/16/09 10:45

Semivolatile Organic Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	0.299 J	0.440	0.165	mg/L	1	XFC8990	XXX21847	
5a Androstane <surr>	78.8	50-150		%	1	XFC8990	XXX21847	

Batch Information

Analytical Batch: XFC8990
Analytical Method: SW8015C
Analysis Date/Time: 10/26/09 13:32
Dilution Factor: 1

Prep Batch: XXX21847
Prep Method: SW3520C
Prep Date/Time: 10/19/09 10:35

Initial Prep Wt./Vol.: 910 mL
Prep Extract Vol.: 1 mL
Container ID:1095639007-H
Analyst: KDC

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW01-WG17**
SGS Ref. #: 1095639007
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 15:35
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
Toluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Styrene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Acetone	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS10945	VXX20145	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
Chloroform	ND	1.00	0.300	ug/L	1	VMS10945	VXX20145	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS10945	VXX20145	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW01-WG17**
SGS Ref. #: 1095639007
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 15:35
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Chloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Butanone (MEK)	4.27 J	10.0	3.10	ug/L	1	VMS10945	VXX20145	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS10945	VXX20145	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromoform	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1-Chlorohexane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane-D4 <surr>	103	73-120		%	1	VMS10945	VXX20145	
Toluene-d8 <surr>	103	80-120		%	1	VMS10945	VXX20145	
4-Bromofluorobenzene <surr>	106	76-120		%	1	VMS10945	VXX20145	

Client Sample ID: **RHMW01-WG17**
SGS Ref. #: 1095639007
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 15:35
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Batch Information								
Analytical Batch: VMS10945		Prep Batch: VXX20145				Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SW8260B		Prep Method: SW5030B				Prep Extract Vol.: 5 mL		
Analysis Date/Time: 10/20/09 00:17		Prep Date/Time: 10/19/09 08:11				Container ID:1095639007-A		
Dilution Factor: 1						Analyst: SCL		

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW01-WG17**
SGS Ref. #: 1095639007
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 15:35
Receipt Date/Time: 10/16/09 10:45

Polynuclear Aromatics GC/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Acenaphthylene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Acenaphthene	0.0177 J	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Fluorene	0.0288 J	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Phenanthrene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Anthracene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Fluoranthene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Pyrene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Benzo(a)Anthracene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Chrysene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Benzo[b]Fluoranthene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Benzo[k]fluoranthene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Benzo[a]pyrene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Indeno[1,2,3-c,d] pyrene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Dibenzo[a,h]anthracene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Benzo[g,h,i]perylene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Naphthalene	0.193	0.116	0.0360	ug/L	1	XMS5164	XXX21842	
1-Methylnaphthalene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
2-Methylnaphthalene	ND	0.0581	0.0174	ug/L	1	XMS5164	XXX21842	
Terphenyl-d14 <surr>	102	50-135		%	1	XMS5164	XXX21842	

Batch Information

Analytical Batch: XMS5164
Analytical Method: 8270D SIMS
Analysis Date/Time: 10/25/09 22:18
Dilution Factor: 1

Prep Batch: XXX21842
Prep Method: SW3520C
Prep Date/Time: 10/18/09 08:40

Initial Prep Wt./Vol.: 860 mL
Prep Extract Vol.: 1 mL
Container ID:1095639007-J
Analyst: JDH

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW05-WG17**
SGS Ref. #: 1095639008
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 17:30
Receipt Date/Time: 10/16/09 10:45

Dissolved Metals by ICP/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Lead	ND	1.00	0.310	ug/L	5	MMS6169	MXX22450	

Batch Information

Analytical Batch: MMS6169
Analytical Method: SW6020
Analysis Date/Time: 11/02/09 01:13
Dilution Factor: 5

Prep Batch: MXX22450
Prep Method: SW3010A
Prep Date/Time: 10/26/09 17:30

Initial Prep Wt./Vol.: 50 mL
Prep Extract Vol.: 50 mL
Container ID:1095639008-G
Analyst: NRB

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW05-WG17**
SGS Ref. #: 1095639008
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 17:30
Receipt Date/Time: 10/16/09 10:45

Volatile Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Gasoline Range Organics	ND	100	30.0	ug/L	1	VFC9728	VXX20181	
4-Bromofluorobenzene <surr>	101	50-150		%	1	VFC9728	VXX20181	

Batch Information

Analytical Batch: VFC9728
Analytical Method: SW8015C
Analysis Date/Time: 10/24/09 21:40
Dilution Factor: 1

Prep Batch: VXX20181
Prep Method: SW5030B
Prep Date/Time: 10/24/09 13:29

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1095639008-B
Analyst: KPW

Client Sample ID: **RHMW05-WG17**
SGS Ref. #: 1095639008
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 17:30
Receipt Date/Time: 10/16/09 10:45

Semivolatile Organic Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Diesel Range Organics	0.673	0.452	0.169	mg/L	1	XFC8990	XXX21847	
5a Androstane <surr>	68.2	50-150		%	1	XFC8990	XXX21847	

Batch Information

Analytical Batch: XFC8990
Analytical Method: SW8015C
Analysis Date/Time: 10/26/09 13:43
Dilution Factor: 1

Prep Batch: XXX21847
Prep Method: SW3520C
Prep Date/Time: 10/19/09 10:35

Initial Prep Wt./Vol.: 885 mL
Prep Extract Vol.: 1 mL
Container ID:1095639008-H
Analyst: KDC

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW05-WG17**
SGS Ref. #: 1095639008
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 17:30
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
Toluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Styrene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Acetone	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS10945	VXX20145	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
Chloroform	ND	1.00	0.300	ug/L	1	VMS10945	VXX20145	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS10945	VXX20145	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **RHMW05-WG17**
SGS Ref. #: 1095639008
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 17:30
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Chloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS10945	VXX20145	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromoform	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1-Chlorohexane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane-D4 <surr>	99	73-120		%	1	VMS10945	VXX20145	
Toluene-d8 <surr>	102	80-120		%	1	VMS10945	VXX20145	
4-Bromofluorobenzene <surr>	102	76-120		%	1	VMS10945	VXX20145	

Client Sample ID: **RHMW05-WG17**
SGS Ref. #: 1095639008
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 17:30
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Batch Information								

Analytical Batch: VMS10945
Analytical Method: SW8260B
Analysis Date/Time: 10/20/09 00:51
Dilution Factor: 1

Prep Batch: VXX20145
Prep Method: SW5030B
Prep Date/Time: 10/19/09 08:11

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1095639008-A
Analyst: SCL

Client Sample ID: **RHMW05-WG17**
SGS Ref. #: 1095639008
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/13/09 17:30
Receipt Date/Time: 10/16/09 10:45

Polynuclear Aromatics GC/MS

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Acenaphthylene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Acenaphthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Fluorene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Phenanthrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Pyrene	0.0173 J	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo(a)Anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Chrysene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[b]Fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[k]fluoranthene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[a]pyrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Indeno[1,2,3-c,d] pyrene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Dibenzo[a,h]anthracene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Benzo[g,h,i]perylene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Naphthalene	ND	0.114	0.0352	ug/L	1	XMS5164	XXX21842	
1-Methylnaphthalene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
2-Methylnaphthalene	ND	0.0568	0.0170	ug/L	1	XMS5164	XXX21842	
Terphenyl-d14 <surr>	90.9	50-135		%	1	XMS5164	XXX21842	

Batch Information

Analytical Batch: XMS5164
Analytical Method: 8270D SIMS
Analysis Date/Time: 10/25/09 22:52
Dilution Factor: 1

Prep Batch: XXX21842
Prep Method: SW3520C
Prep Date/Time: 10/18/09 08:40

Initial Prep Wt./Vol.: 880 mL
Prep Extract Vol.: 1 mL
Container ID:1095639008-J
Analyst: JDH

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **TB01-WG17**
SGS Ref. #: 1095639009
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 08:05
Receipt Date/Time: 10/16/09 10:45

Volatile Fuels Department

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Gasoline Range Organics	ND	100	30.0	ug/L	1	VFC9728	VXX20181	
4-Bromofluorobenzene <surr>	100	50-150		%	1	VFC9728	VXX20181	

Batch Information

Analytical Batch: VFC9728
Analytical Method: SW8015C
Analysis Date/Time: 10/24/09 18:17
Dilution Factor: 1

Prep Batch: VXX20181
Prep Method: SW5030B
Prep Date/Time: 10/24/09 13:29

Initial Prep Wt./Vol.: 5 mL
Prep Extract Vol.: 5 mL
Container ID:1095639009-B
Analyst: KPW

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **TB01-WG17**
SGS Ref. #: 1095639009
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 08:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Benzene	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
Toluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Ethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
n-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chlorobenzene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
4-Isopropyltoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
n-Propylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Styrene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromomethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Acetone	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	1	VMS10945	VXX20145	
Tetrachloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dibromochloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,3-Dichloropropane	ND	0.400	0.120	ug/L	1	VMS10945	VXX20145	
1,2-Dibromoethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Carbon tetrachloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
Chloroform	ND	1.00	0.300	ug/L	1	VMS10945	VXX20145	
Bromobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Chloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromomethane	ND	3.00	0.940	ug/L	1	VMS10945	VXX20145	
Bromochloromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Vinyl chloride	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	

SGS

The Environmental Company, Inc. (TEC) Print Date: 11/2/2009 4:48 pm

Client Sample ID: **TB01-WG17**
SGS Ref. #: 1095639009
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 08:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Chloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
sec-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromodichloromethane	ND	0.500	0.150	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Butanone (MEK)	ND	10.0	3.10	ug/L	1	VMS10945	VXX20145	
Methylene chloride	ND	5.00	1.00	ug/L	1	VMS10945	VXX20145	
Trichlorofluoromethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
P & M -Xylene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
Naphthalene	ND	2.00	0.620	ug/L	1	VMS10945	VXX20145	
o-Xylene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Bromoform	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1-Chlorohexane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
tert-Butylbenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2-Chlorotoluene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Trichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
2,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Hexachlorobutadiene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2-Dichloropropane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1-Dichloropropene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	1	VMS10945	VXX20145	
Xylenes (total)	ND	2.00	1.00	ug/L	1	VMS10945	VXX20145	
1,2-Dichloroethane-D4 <surr>	103	73-120		%	1	VMS10945	VXX20145	
Toluene-d8 <surr>	103	80-120		%	1	VMS10945	VXX20145	
4-Bromofluorobenzene <surr>	105	76-120		%	1	VMS10945	VXX20145	

Client Sample ID: **TB01-WG17**
SGS Ref. #: 1095639009
Project ID: 3354-003 Red Hill BFSF
Matrix: Water (Surface, Eff., Ground)

Collection Date/Time: 10/14/09 08:05
Receipt Date/Time: 10/16/09 10:45

Volatile Gas Chromatography/Mass Spectroscopy

Parameter	Result	PQL/CL	MDL	Units	DF	Analytical Batch	Prep Batch	Qualifiers
Batch Information								
Analytical Batch: VMS10945		Prep Batch: VXX20145				Initial Prep Wt./Vol.: 5 mL		
Analytical Method: SW8260B		Prep Method: SW5030B				Prep Extract Vol.: 5 mL		
Analysis Date/Time: 10/19/09 19:51		Prep Date/Time: 10/19/09 08:11				Container ID:1095639009-A		
Dilution Factor: 1						Analyst: SCL		

SGS

SGS Ref.#	932591 Method Blank	**Printed Date/Time**	11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)	**Prep Batch**	XXX21842
Project Name/#	3354-003 Red Hill BFSF	**Method**	SW3520C
Matrix	Water (Surface, Eff., Ground)	**Date**	10/18/2009

QC results affect the following production samples:

1095639001, 1095639004, 1095639005, 1095639006, 1095639007, 1095639008

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
Polynuclear Aromatics GC/MS					
Acenaphthylene	ND	0.0500	0.0150	ug/L	10/25/09
Acenaphthene	ND	0.0500	0.0150	ug/L	10/25/09
Fluorene	ND	0.0500	0.0150	ug/L	10/25/09
Phenanthrene	ND	0.0500	0.0150	ug/L	10/25/09
Anthracene	ND	0.0500	0.0150	ug/L	10/25/09
Fluoranthene	ND	0.0500	0.0150	ug/L	10/25/09
Pyrene	ND	0.0500	0.0150	ug/L	10/25/09
Benzo(a)Anthracene	ND	0.0500	0.0150	ug/L	10/25/09
Chrysene	ND	0.0500	0.0150	ug/L	10/25/09
Benzo[b]Fluoranthene	ND	0.0500	0.0150	ug/L	10/25/09
Benzo[k]fluoranthene	ND	0.0500	0.0150	ug/L	10/25/09
Benzo[a]pyrene	ND	0.0500	0.0150	ug/L	10/25/09
Indeno[1,2,3-c,d] pyrene	ND	0.0500	0.0150	ug/L	10/25/09
Dibenzo[a,h]anthracene	ND	0.0500	0.0150	ug/L	10/25/09
Benzo[g,h,i]perylene	ND	0.0500	0.0150	ug/L	10/25/09
Naphthalene	ND	0.100	0.0310	ug/L	10/25/09
1-Methylnaphthalene	ND	0.0500	0.0150	ug/L	10/25/09
2-Methylnaphthalene	ND	0.0500	0.0150	ug/L	10/25/09
Surrogates					
Terphenyl-d14 <surr>	98.1	50-135		%	10/25/09

Batch XMS5164
Method 8270D SIMS
Instrument HP 6890 Series II MS2 SVOA

SGS

SGS Ref.#	932694	Method Blank	**Printed Date/Time**		11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)		**Prep**	**Batch**	XXX21847
Project Name/#	3354-003 Red Hill BFSF			**Method**	SW3520C
Matrix	Water (Surface, Eff., Ground)			**Date**	10/19/2009

QC results affect the following production samples:

1095639001, 1095639004, 1095639005, 1095639006, 1095639007, 1095639008

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
Semivolatile Organic Fuels Department					
Diesel Range Organics	ND	0.400	0.150	mg/L	10/26/09
Surrogates					
5a Androstane <surr>	79.2	60-120		%	10/26/09

Batch XFC8990
Method SW8015C
Instrument HP 6890 Series II FID SV D R

SGS

SGS Ref.#	933069 Method Blank	**Printed Date/Time**	11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)	**Prep Batch**	VXX20145
Project Name/#	3354-003 Red Hill BFSF	**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)	**Date**	10/19/2009

QC results affect the following production samples:

1095639004, 1095639005, 1095639006, 1095639007, 1095639008, 1095639009

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS

SGS Ref.#	933069 Method Blank	**Printed Date/Time**	11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)	**Prep Batch**	VXX20145
Project Name/#	3354-003 Red Hill BFSF	**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)	**Date**	10/19/2009

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
Benzene	ND	0.400	0.120	ug/L	10/19/09
Toluene	ND	1.00	0.310	ug/L	10/19/09
Ethylbenzene	ND	1.00	0.310	ug/L	10/19/09
n-Butylbenzene	ND	1.00	0.310	ug/L	10/19/09
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	10/19/09
1,2-Dichloroethane	ND	0.500	0.150	ug/L	10/19/09
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	10/19/09
4-Chlorotoluene	ND	1.00	0.310	ug/L	10/19/09
Chlorobenzene	ND	0.500	0.150	ug/L	10/19/09
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	10/19/09
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	10/19/09
4-Isopropyltoluene	ND	1.00	0.310	ug/L	10/19/09
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	10/19/09
n-Propylbenzene	ND	1.00	0.310	ug/L	10/19/09
Styrene	ND	1.00	0.310	ug/L	10/19/09
Dibromomethane	ND	1.00	0.310	ug/L	10/19/09
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	10/19/09
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	10/19/09
Acetone	ND	10.0	3.10	ug/L	10/19/09
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	10/19/09
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	10/19/09
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	10/19/09
Tetrachloroethene	ND	1.00	0.310	ug/L	10/19/09
Dibromochloromethane	ND	0.500	0.150	ug/L	10/19/09
1,3-Dichloropropane	ND	0.400	0.120	ug/L	10/19/09
1,2-Dibromoethane	ND	1.00	0.310	ug/L	10/19/09
Carbon tetrachloride	ND	1.00	0.310	ug/L	10/19/09
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	10/19/09
Chloroform	ND	1.00	0.300	ug/L	10/19/09
Bromobenzene	ND	1.00	0.310	ug/L	10/19/09
Chloromethane	ND	1.00	0.310	ug/L	10/19/09
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	10/19/09
Bromomethane	ND	3.00	0.940	ug/L	10/19/09
Bromochloromethane	ND	1.00	0.310	ug/L	10/19/09
Vinyl chloride	ND	1.00	0.310	ug/L	10/19/09
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	10/19/09
Chloroethane	ND	1.00	0.310	ug/L	10/19/09
sec-Butylbenzene	ND	1.00	0.310	ug/L	10/19/09
Bromodichloromethane	ND	0.500	0.150	ug/L	10/19/09

SGS

SGS Ref.#	933069 Method Blank	**Printed Date/Time**	11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)	**Prep Batch**	VXX20145
Project Name/#	3354-003 Red Hill BFSF	**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)	**Date**	10/19/2009

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
1,1-Dichloroethene	ND	1.00	0.310	ug/L	10/19/09
2-Butanone (MEK)	ND	10.0	3.10	ug/L	10/19/09
Methylene chloride	ND	5.00	1.00	ug/L	10/19/09
Trichlorofluoromethane	ND	1.00	0.310	ug/L	10/19/09
P & M -Xylene	ND	2.00	0.620	ug/L	10/19/09
Naphthalene	ND	2.00	0.620	ug/L	10/19/09
o-Xylene	ND	1.00	0.310	ug/L	10/19/09
Bromoform	ND	1.00	0.310	ug/L	10/19/09
1-Chlorohexane	ND	1.00	0.310	ug/L	10/19/09
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	10/19/09
tert-Butylbenzene	ND	1.00	0.310	ug/L	10/19/09
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	10/19/09
1,1-Dichloroethane	ND	1.00	0.310	ug/L	10/19/09
2-Chlorotoluene	ND	1.00	0.310	ug/L	10/19/09
Trichloroethene	ND	1.00	0.310	ug/L	10/19/09
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	10/19/09
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	10/19/09
2,2-Dichloropropane	ND	1.00	0.310	ug/L	10/19/09
Hexachlorobutadiene	ND	1.00	0.310	ug/L	10/19/09
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	10/19/09
1,2-Dichloropropane	ND	1.00	0.310	ug/L	10/19/09
1,1-Dichloropropene	ND	1.00	0.310	ug/L	10/19/09
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	10/19/09
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	10/19/09
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	10/19/09
Xylenes (total)	ND	2.00	1.00	ug/L	10/19/09
Surrogates					
1,2-Dichloroethane-D4 <surr>	101	73-120		%	10/19/09
Toluene-d8 <surr>	103	80-120		%	10/19/09
4-Bromofluorobenzene <surr>	106	76-120		%	10/19/09

Batch VMS10945
Method SW8260B
Instrument HP 5890 Series II MS1 VJA

SGS

SGS Ref.#	934049	Method Blank	**Printed Date/Time**		11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)		**Prep**	**Batch**	VXX20165
Project Name/#	3354-003 Red Hill BFSF			**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)			**Date**	10/20/2009

QC results affect the following production samples:

1095639001

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS

SGS Ref.#	934049 Method Blank	**Printed Date/Time**	11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)	**Prep Batch**	VXX20165
Project Name/#	3354-003 Red Hill BFSF	**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)	**Date**	10/20/2009

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
Benzene	ND	0.400	0.120	ug/L	10/20/09
Toluene	ND	1.00	0.310	ug/L	10/20/09
Ethylbenzene	ND	1.00	0.310	ug/L	10/20/09
n-Butylbenzene	ND	1.00	0.310	ug/L	10/20/09
1,4-Dichlorobenzene	ND	0.500	0.150	ug/L	10/20/09
1,2-Dichloroethane	ND	0.500	0.150	ug/L	10/20/09
1,3,5-Trimethylbenzene	ND	1.00	0.310	ug/L	10/20/09
4-Chlorotoluene	ND	1.00	0.310	ug/L	10/20/09
Chlorobenzene	ND	0.500	0.150	ug/L	10/20/09
4-Methyl-2-pentanone (MIBK)	ND	10.0	3.10	ug/L	10/20/09
cis-1,2-Dichloroethene	ND	1.00	0.310	ug/L	10/20/09
4-Isopropyltoluene	ND	1.00	0.310	ug/L	10/20/09
cis-1,3-Dichloropropene	ND	0.500	0.150	ug/L	10/20/09
n-Propylbenzene	ND	1.00	0.310	ug/L	10/20/09
Styrene	ND	1.00	0.310	ug/L	10/20/09
Dibromomethane	ND	1.00	0.310	ug/L	10/20/09
trans-1,3-Dichloropropene	ND	1.00	0.310	ug/L	10/20/09
1,2,4-Trichlorobenzene	ND	1.00	0.310	ug/L	10/20/09
Acetone	ND	10.0	3.10	ug/L	10/20/09
1,1,2,2-Tetrachloroethane	ND	0.500	0.150	ug/L	10/20/09
1,2-Dibromo-3-chloropropane	ND	2.00	0.620	ug/L	10/20/09
Methyl-t-butyl ether	ND	5.00	1.50	ug/L	10/20/09
Tetrachloroethene	ND	1.00	0.310	ug/L	10/20/09
Dibromochloromethane	ND	0.500	0.150	ug/L	10/20/09
1,3-Dichloropropane	ND	0.400	0.120	ug/L	10/20/09
1,2-Dibromoethane	ND	1.00	0.310	ug/L	10/20/09
Carbon tetrachloride	ND	1.00	0.310	ug/L	10/20/09
1,1,1,2-Tetrachloroethane	ND	0.500	0.150	ug/L	10/20/09
Chloroform	ND	1.00	0.300	ug/L	10/20/09
Bromobenzene	ND	1.00	0.310	ug/L	10/20/09
Chloromethane	ND	1.00	0.310	ug/L	10/20/09
1,2,3-Trichloropropane	ND	1.00	0.310	ug/L	10/20/09
Bromomethane	ND	3.00	0.940	ug/L	10/20/09
Bromochloromethane	ND	1.00	0.310	ug/L	10/20/09
Vinyl chloride	ND	1.00	0.310	ug/L	10/20/09
Dichlorodifluoromethane	ND	1.00	0.310	ug/L	10/20/09
Chloroethane	ND	1.00	0.310	ug/L	10/20/09
sec-Butylbenzene	ND	1.00	0.310	ug/L	10/20/09
Bromodichloromethane	ND	0.500	0.150	ug/L	10/20/09

SGS

SGS Ref.#	934049 Method Blank	**Printed Date/Time**	11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)	**Prep Batch**	VXX20165
Project Name/#	3354-003 Red Hill BFSF	**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)	**Date**	10/20/2009

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy					
1,1-Dichloroethene	ND	1.00	0.310	ug/L	10/20/09
2-Butanone (MEK)	ND	10.0	3.10	ug/L	10/20/09
Methylene chloride	ND	5.00	1.00	ug/L	10/20/09
Trichlorofluoromethane	ND	1.00	0.310	ug/L	10/20/09
P & M -Xylene	ND	2.00	0.620	ug/L	10/20/09
Naphthalene	ND	2.00	0.620	ug/L	10/20/09
o-Xylene	ND	1.00	0.310	ug/L	10/20/09
Bromoform	ND	1.00	0.310	ug/L	10/20/09
1-Chlorohexane	ND	1.00	0.310	ug/L	10/20/09
1,2,4-Trimethylbenzene	ND	1.00	0.310	ug/L	10/20/09
tert-Butylbenzene	ND	1.00	0.310	ug/L	10/20/09
1,1,1-Trichloroethane	ND	1.00	0.310	ug/L	10/20/09
1,1-Dichloroethane	ND	1.00	0.310	ug/L	10/20/09
2-Chlorotoluene	ND	1.00	0.310	ug/L	10/20/09
Trichloroethene	ND	1.00	0.310	ug/L	10/20/09
trans-1,2-Dichloroethene	ND	1.00	0.310	ug/L	10/20/09
1,2-Dichlorobenzene	ND	1.00	0.310	ug/L	10/20/09
2,2-Dichloropropane	ND	1.00	0.310	ug/L	10/20/09
Hexachlorobutadiene	ND	1.00	0.310	ug/L	10/20/09
Isopropylbenzene (Cumene)	ND	1.00	0.310	ug/L	10/20/09
1,2-Dichloropropane	ND	1.00	0.310	ug/L	10/20/09
1,1-Dichloropropene	ND	1.00	0.310	ug/L	10/20/09
1,1,2-Trichloroethane	ND	1.00	0.310	ug/L	10/20/09
1,3-Dichlorobenzene	ND	1.00	0.310	ug/L	10/20/09
1,2,3-Trichlorobenzene	ND	1.00	0.310	ug/L	10/20/09
Xylenes (total)	ND	2.00	1.00	ug/L	10/20/09
Surrogates					
1,2-Dichloroethane-D4 <surr>	103	73-120		%	10/20/09
Toluene-d8 <surr>	102	80-120		%	10/20/09
4-Bromofluorobenzene <surr>	104	76-120		%	10/20/09

Batch VMS10954
Method SW8260B
Instrument HP 5890 Series II MS3 VNA

SGS

SGS Ref.#	934912	Method Blank	**Printed Date/Time**		11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)		**Prep**	**Batch**	MXX22450
Project Name/#	3354-003 Red Hill BFSF			**Method**	SW3010A
Matrix	Water (Surface, Eff., Ground)			**Date**	10/26/2009

QC results affect the following production samples:

1095639001, 1095639004, 1095639005, 1095639006, 1095639007, 1095639008

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
Metals by ICP/MS					
Lead	ND	1.00	0.310	ug/L	11/02/09
Batch MMS6169					
Method SW6020					
Instrument Perkin Elmer Sciex ICP-MS P3					

SGS

SGS Ref.#	934942	Method Blank	**Printed Date/Time**		11/02/2009 16:48
Client Name	The Environmental Company, Inc. (TEC)		**Prep**	**Batch**	VXX20181
Project Name/#	3354-003 Red Hill BFSF			**Method**	SW5030B
Matrix	Water (Surface, Eff., Ground)			**Date**	10/24/2009

QC results affect the following production samples:

1095639001, 1095639004, 1095639005, 1095639006, 1095639007, 1095639008, 1095639009

Parameter	Results	Reporting/Control Limit	MDL	Units	Analysis Date
Volatile Fuels Department					
Gasoline Range Organics	ND	100	30.0	ug/L	10/24/09
Surrogates					
4-Bromofluorobenzene <surr>	103	50-150		%	10/24/09
Batch VFC9728					
Method SW8015C					
Instrument HP 5890 Series II PID+HECD VBA					

SGS

- PRELIMINARY -

SGS Ref.#
Client Name
Project Name/#

Original
Matrix

Printed Date/Time 11/02/2009 16:48
Prep Batch
Method
Date

QC results affect the following production samples:

Parameter	Original Result	QC Result	Units	RPD	RPD Limits	Analysis Date
Surrogates						
Batch						
Method						
Instrument						

SGS

SGS Ref.#	932592 Lab Control Sample	**Printed Date/Time**		11/02/2009	16:48
		Prep	**Batch**	XXX21842	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW3520C	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/18/2009	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1095639001, 1095639004, 1095639005, 1095639006, 1095639007, 1095639008

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Polynuclear Aromatics GC/MS								
Acenaphthylene	LCS	0.404	81	(50-105)			0.5 ug/L	10/25/2009
Acenaphthene	LCS	0.400	80	(45-110)			0.5 ug/L	10/25/2009
Fluorene	LCS	0.418	84	(50-110)			0.5 ug/L	10/25/2009
Phenanthrene	LCS	0.388	78	(50-115)			0.5 ug/L	10/25/2009
Anthracene	LCS	0.473	95	(55-110)			0.5 ug/L	10/25/2009
Fluoranthene	LCS	0.515	103	(55-125)			0.5 ug/L	10/25/2009
Pyrene	LCS	0.503	101	(50-130)			0.5 ug/L	10/25/2009
Benzo(a)Anthracene	LCS	0.456	91	(55-120)			0.5 ug/L	10/25/2009
Chrysene	LCS	0.495	99	(55-120)			0.5 ug/L	10/25/2009
Benzo[b]Fluoranthene	LCS	0.415	83	(46-130)			0.5 ug/L	10/25/2009
Benzo[k]fluoranthene	LCS	0.435	87	(60-125)			0.5 ug/L	10/25/2009
Benzo[a]pyrene	LCS	0.441	88	(55-120)			0.5 ug/L	10/25/2009
Indeno[1,2,3-c,d] pyrene	LCS	0.440	88	(45-125)			0.5 ug/L	10/25/2009
Dibenzo[a,h]anthracene	LCS	0.462	92	(41-140)			0.5 ug/L	10/25/2009
Benzo[g,h,i]perylene	LCS	0.427	86	(46-125)			0.5 ug/L	10/25/2009
Naphthalene	LCS	0.416	83	(42-100)			0.5 ug/L	10/25/2009
1-Methylnaphthalene	LCS	0.412	82	(46-115)			0.5 ug/L	10/25/2009
2-Methylnaphthalene	LCS	0.387	78	(45-105)			0.5 ug/L	10/25/2009
Surrogates								
Terphenyl-d14 <surr>	LCS		100	(50-135)				10/25/2009

SGS

SGS Ref.#	932592 Lab Control Sample	**Printed Date/Time**		11/02/2009	16:48
		Prep	**Batch**	XXX21842	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW3520C	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/18/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Polynuclear Aromatics GC/MS

Batch	XMS5164
Method	8270D SIMS
Instrument	HP 6890 Series II MS2 SVOA

SGS

SGS Ref.#	932696	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	932698	Lab Control Sample Duplicate	**Prep Batch**	XXX21847	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW3520C	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/19/2009	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1095639001, 1095639004, 1095639005, 1095639006, 1095639007, 1095639008

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Semivolatile Organic Fuels Department								
Diesel Range Organics	LCS	4.21	84	(75-125)			5 mg/L	10/26/2009
	LCSD	4.02	81		4	(< 20)	5 mg/L	10/26/2009
Surrogates								
5a Androstane <surr>	LCS		88	(60-120)				10/26/2009
	LCSD		85		3			10/26/2009

Batch XFC8990
Method SW8015C
Instrument HP 6890 Series II FID SV D R

SGS

SGS Ref.#	933070	Lab Control Sample	**Printed Date/Time**		11/02/2009	16:48
	933071	Lab Control Sample Duplicate	**Prep**	**Batch**	VXX20145	
Client Name	The Environmental Company, Inc. (TEC)			**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF			**Date**	10/19/2009	
Matrix	Water (Surface, Eff., Ground)					

QC results affect the following production samples:

1095639004, 1095639005, 1095639006, 1095639007, 1095639008, 1095639009

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS

SGS Ref.#	933070	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	933071	Lab Control Sample Duplicate	**Prep Batch**	VXX20145	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/19/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Benzene	LCS	32.9	110	(80-120)			30 ug/L	10/19/2009
	LCSD	30.9	103		6	(< 20)	30 ug/L	10/19/2009
Toluene	LCS	32.0	107	(77-120)			30 ug/L	10/19/2009
	LCSD	29.2	97		9	(< 20)	30 ug/L	10/19/2009
Ethylbenzene	LCS	34.7	116	(80-120)			30 ug/L	10/19/2009
	LCSD	31.4	105		10	(< 20)	30 ug/L	10/19/2009
n-Butylbenzene	LCS	33.7	112	(80-124)			30 ug/L	10/19/2009
	LCSD	31.9	106		5	(< 20)	30 ug/L	10/19/2009
1,4-Dichlorobenzene	LCS	32.1	107	(80-120)			30 ug/L	10/19/2009
	LCSD	30.4	101		6	(< 20)	30 ug/L	10/19/2009
1,2-Dichloroethane	LCS	31.3	104	(80-129)			30 ug/L	10/19/2009
	LCSD	30.2	101		4	(< 20)	30 ug/L	10/19/2009
1,3,5-Trimethylbenzene	LCS	33.3	111	(80-128)			30 ug/L	10/19/2009
	LCSD	31.8	106		5	(< 20)	30 ug/L	10/19/2009
4-Chlorotoluene	LCS	32.6	109	(79-128)			30 ug/L	10/19/2009
	LCSD	31.2	104		4	(< 20)	30 ug/L	10/19/2009
Chlorobenzene	LCS	33.0	110	(80-120)			30 ug/L	10/19/2009
	LCSD	30.4	101		8	(< 20)	30 ug/L	10/19/2009
4-Methyl-2-pentanone (MIBK)	LCS	93.6	104	(69-134)			90 ug/L	10/19/2009
	LCSD	92.1	102		2	(< 20)	90 ug/L	10/19/2009
cis-1,2-Dichloroethene	LCS	33.2	111	(80-125)			30 ug/L	10/19/2009
	LCSD	30.6	102		8	(< 20)	30 ug/L	10/19/2009
4-Isopropyltoluene	LCS	34.2	114	(80-125)			30 ug/L	10/19/2009
	LCSD	32.0	107		7	(< 20)	30 ug/L	10/19/2009
cis-1,3-Dichloropropene	LCS	32.8	109	(80-120)			30 ug/L	10/19/2009
	LCSD	30.7	102		7	(< 20)	30 ug/L	10/19/2009
n-Propylbenzene	LCS	32.9	110	(80-129)			30 ug/L	10/19/2009
	LCSD	31.0	103		6	(< 20)	30 ug/L	10/19/2009

SGS

SGS Ref.#	933070	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	933071	Lab Control Sample Duplicate	**Prep Batch**	VXX20145	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/19/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Styrene	LCS	34.7	116	(80-120)			30 ug/L	10/19/2009
	LCSD	32.2	107		7	(< 20)	30 ug/L	10/19/2009
Dibromomethane	LCS	31.4	105	(80-120)			30 ug/L	10/19/2009
	LCSD	31.0	103		1	(< 20)	30 ug/L	10/19/2009
trans-1,3-Dichloropropene	LCS	32.8	109	(80-124)			30 ug/L	10/19/2009
	LCSD	31.6	105		4	(< 20)	30 ug/L	10/19/2009
1,2,4-Trichlorobenzene	LCS	32.0	107	(80-120)			30 ug/L	10/19/2009
	LCSD	30.0	100		6	(< 20)	30 ug/L	10/19/2009
Acetone	LCS	94.9	105	(50-135)			90 ug/L	10/19/2009
	LCSD	95.5	106		1	(< 20)	90 ug/L	10/19/2009
1,1,2,2-Tetrachloroethane	LCS	30.4	101	(76-123)			30 ug/L	10/19/2009
	LCSD	30.9	103		2	(< 20)	30 ug/L	10/19/2009
1,2-Dibromo-3-chloropropane	LCS	28.6	95	(73-130)			30 ug/L	10/19/2009
	LCSD	30.9	103		8	(< 20)	30 ug/L	10/19/2009
Methyl-t-butyl ether	LCS	48.2	107	(80-120)			45 ug/L	10/19/2009
	LCSD	46.8	104		3	(< 20)	45 ug/L	10/19/2009
Tetrachloroethene	LCS	34.7	116	(79-122)			30 ug/L	10/19/2009
	LCSD	30.7	102		12	(< 20)	30 ug/L	10/19/2009
Dibromochloromethane	LCS	32.6	109	(80-120)			30 ug/L	10/19/2009
	LCSD	30.2	101		7	(< 20)	30 ug/L	10/19/2009
1,3-Dichloropropane	LCS	32.5	108	(80-121)			30 ug/L	10/19/2009
	LCSD	30.8	103		5	(< 20)	30 ug/L	10/19/2009
1,2-Dibromoethane	LCS	32.3	108	(80-120)			30 ug/L	10/19/2009
	LCSD	30.7	102		5	(< 20)	30 ug/L	10/19/2009
Carbon tetrachloride	LCS	33.5	112	(80-126)			30 ug/L	10/19/2009
	LCSD	30.6	102		9	(< 20)	30 ug/L	10/19/2009
1,1,1,2-Tetrachloroethane	LCS	33.6	112	(80-120)			30 ug/L	10/19/2009

SGS

SGS Ref.#	933070	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	933071	Lab Control Sample Duplicate	**Prep Batch**	VXX20145	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/19/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
	LCSD	31.4	105		7	(< 20)	30 ug/L	10/19/2009
Chloroform	LCS	31.4	105	(80-124)			30 ug/L	10/19/2009
	LCSD	29.5	98		6	(< 20)	30 ug/L	10/19/2009
Bromobenzene	LCS	31.2	104	(80-120)			30 ug/L	10/19/2009
	LCSD	30.0	100		4	(< 20)	30 ug/L	10/19/2009
Chloromethane	LCS	29.5	98	(67-125)			30 ug/L	10/19/2009
	LCSD	28.8	96		2	(< 20)	30 ug/L	10/19/2009
1,2,3-Trichloropropane	LCS	32.3	108	(80-120)			30 ug/L	10/19/2009
	LCSD	32.7	109		1	(< 20)	30 ug/L	10/19/2009
Bromomethane	LCS	30.2	101	(30-140)			30 ug/L	10/19/2009
	LCSD	31.5	105		4	(< 20)	30 ug/L	10/19/2009
Bromochloromethane	LCS	33.7	112	(77-129)			30 ug/L	10/19/2009
	LCSD	31.3	104		7	(< 20)	30 ug/L	10/19/2009
Vinyl chloride	LCS	35.0	117	(72-145)			30 ug/L	10/19/2009
	LCSD	32.6	109		7	(< 20)	30 ug/L	10/19/2009
Dichlorodifluoromethane	LCS	39.0	130	(62-153)			30 ug/L	10/19/2009
	LCSD	34.9	116		11	(< 20)	30 ug/L	10/19/2009
Chloroethane	LCS	31.8	106	(67-133)			30 ug/L	10/19/2009
	LCSD	31.8	106		0	(< 20)	30 ug/L	10/19/2009
sec-Butylbenzene	LCS	33.9	113	(80-120)			30 ug/L	10/19/2009
	LCSD	31.8	106		6	(< 20)	30 ug/L	10/19/2009
Bromodichloromethane	LCS	31.9	106	(80-120)			30 ug/L	10/19/2009
	LCSD	29.9	100		6	(< 20)	30 ug/L	10/19/2009
1,1-Dichloroethene	LCS	34.5	115	(76-130)			30 ug/L	10/19/2009
	LCSD	32.3	108		7	(< 20)	30 ug/L	10/19/2009
2-Butanone (MEK)	LCS	103	114	(66-136)			90 ug/L	10/19/2009
	LCSD	101	112		2	(< 20)	90 ug/L	10/19/2009

SGS

SGS Ref.#	933070	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	933071	Lab Control Sample Duplicate	**Prep Batch**	VXX20145	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/19/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Methylene chloride	LCS	34.4	115	(63-131)			30 ug/L	10/19/2009
	LCSD	32.6	109		6	(< 20)	30 ug/L	10/19/2009
Trichlorofluoromethane	LCS	33.7	112	(68-145)			30 ug/L	10/19/2009
	LCSD	32.4	108		4	(< 20)	30 ug/L	10/19/2009
P & M -Xylene	LCS	69.2	115	(80-120)			60 ug/L	10/19/2009
	LCSD	63.5	106		9	(< 20)	60 ug/L	10/19/2009
Naphthalene	LCS	31.4	105	(75-120)			30 ug/L	10/19/2009
	LCSD	31.6	105		1	(< 20)	30 ug/L	10/19/2009
o-Xylene	LCS	33.7	112	(80-120)			30 ug/L	10/19/2009
	LCSD	31.2	104		8	(< 20)	30 ug/L	10/19/2009
Bromoform	LCS	29.3	98	(80-120)			30 ug/L	10/19/2009
	LCSD	27.6	92		6	(< 20)	30 ug/L	10/19/2009
1-Chlorohexane	LCS	51.2	114	(70-125)			45 ug/L	10/19/2009
	LCSD	46.8	104		9	(< 20)	45 ug/L	10/19/2009
1,2,4-Trimethylbenzene	LCS	32.7	109	(80-125)			30 ug/L	10/19/2009
	LCSD	31.4	105		4	(< 20)	30 ug/L	10/19/2009
tert-Butylbenzene	LCS	33.1	110	(80-122)			30 ug/L	10/19/2009
	LCSD	30.7	102		7	(< 20)	30 ug/L	10/19/2009
1,1,1-Trichloroethane	LCS	33.6	112	(80-122)			30 ug/L	10/19/2009
	LCSD	31.3	104		7	(< 20)	30 ug/L	10/19/2009
1,1-Dichloroethane	LCS	33.2	111	(80-120)			30 ug/L	10/19/2009
	LCSD	30.7	102		8	(< 20)	30 ug/L	10/19/2009
2-Chlorotoluene	LCS	31.9	106	(80-125)			30 ug/L	10/19/2009
	LCSD	29.9	100		7	(< 20)	30 ug/L	10/19/2009
Trichloroethene	LCS	33.5	112	(80-125)			30 ug/L	10/19/2009
	LCSD	30.9	103		8	(< 20)	30 ug/L	10/19/2009
trans-1,2-Dichloroethene	LCS	35.2	117	(79-132)			30 ug/L	10/19/2009
	LCSD	30.4	101		15	(< 20)	30 ug/L	10/19/2009

SGS

SGS Ref.#	933070	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	933071	Lab Control Sample Duplicate	**Prep Batch**	VXX20145	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/19/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,2-Dichlorobenzene	LCS	31.3	104	(80-120)			30 ug/L	10/19/2009
	LCSD	29.6	99		6	(< 20)	30 ug/L	10/19/2009
2,2-Dichloropropane	LCS	33.8	113	(80-132)			30 ug/L	10/19/2009
	LCSD	31.1	104		8	(< 20)	30 ug/L	10/19/2009
Hexachlorobutadiene	LCS	32.8	109	(77-125)			30 ug/L	10/19/2009
	LCSD	30.5	102		7	(< 20)	30 ug/L	10/19/2009
Isopropylbenzene (Cumene)	LCS	35.2	117	(80-121)			30 ug/L	10/19/2009
	LCSD	32.1	107		9	(< 20)	30 ug/L	10/19/2009
1,2-Dichloropropane	LCS	34.2	114	(80-121)			30 ug/L	10/19/2009
	LCSD	32.2	107		6	(< 20)	30 ug/L	10/19/2009
1,1-Dichloropropene	LCS	35.7	119	(80-122)			30 ug/L	10/19/2009
	LCSD	33.3	111		7	(< 20)	30 ug/L	10/19/2009
1,1,2-Trichloroethane	LCS	33.4	111	(77-120)			30 ug/L	10/19/2009
	LCSD	32.7	109		2	(< 20)	30 ug/L	10/19/2009
1,3-Dichlorobenzene	LCS	32.6	109	(80-120)			30 ug/L	10/19/2009
	LCSD	31.0	103		5	(< 20)	30 ug/L	10/19/2009
1,2,3-Trichlorobenzene	LCS	30.9	103	(77-120)			30 ug/L	10/19/2009
	LCSD	30.0	100		3	(< 20)	30 ug/L	10/19/2009
Xylenes (total)	LCS	103	114	(80-120)			90 ug/L	10/19/2009
	LCSD	94.6	105		8	(< 20)	90 ug/L	10/19/2009
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		98	(73-120)				10/19/2009
	LCSD		96		2			10/19/2009
Toluene-d8 <surr>	LCS		101	(80-120)				10/19/2009
	LCSD		97		4			10/19/2009
4-Bromofluorobenzene <surr>	LCS		97	(76-120)				10/19/2009
	LCSD		97		0			10/19/2009

SGS

SGS Ref.#	933070	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	933071	Lab Control Sample Duplicate	**Prep Batch**	VXX20145	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/19/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

Batch VMS10945
Method SW8260B
Instrument HP 5890 Series II MS1 VJA

SGS

SGS Ref.#	934050	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	934051	Lab Control Sample Duplicate	**Prep Batch**	VXX20165	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/20/2009	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1095639001

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

SGS

SGS Ref.#	934050 Lab Control Sample		**Printed Date/Time**	11/02/2009	16:48
	934051 Lab Control Sample Duplicate		**Prep Batch**	VXX20165	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/20/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Benzene	LCS	28.3	94	(80-120)			30 ug/L	10/20/2009
	LCSD	27.0	90		5	(< 20)	30 ug/L	10/20/2009
Toluene	LCS	27.4	91	(77-120)			30 ug/L	10/20/2009
	LCSD	26.3	88		4	(< 20)	30 ug/L	10/20/2009
Ethylbenzene	LCS	29.3	98	(80-120)			30 ug/L	10/20/2009
	LCSD	28.4	95		3	(< 20)	30 ug/L	10/20/2009
n-Butylbenzene	LCS	30.7	102	(80-124)			30 ug/L	10/20/2009
	LCSD	29.1	97		5	(< 20)	30 ug/L	10/20/2009
1,4-Dichlorobenzene	LCS	28.5	95	(80-120)			30 ug/L	10/20/2009
	LCSD	27.7	93		3	(< 20)	30 ug/L	10/20/2009
1,2-Dichloroethane	LCS	27.7	92	(80-129)			30 ug/L	10/20/2009
	LCSD	26.1	87		6	(< 20)	30 ug/L	10/20/2009
1,3,5-Trimethylbenzene	LCS	29.3	98	(80-128)			30 ug/L	10/20/2009
	LCSD	27.6	92		6	(< 20)	30 ug/L	10/20/2009
4-Chlorotoluene	LCS	29.0	97	(79-128)			30 ug/L	10/20/2009
	LCSD	27.8	93		4	(< 20)	30 ug/L	10/20/2009
Chlorobenzene	LCS	28.7	96	(80-120)			30 ug/L	10/20/2009
	LCSD	27.8	93		3	(< 20)	30 ug/L	10/20/2009
4-Methyl-2-pentanone (MIBK)	LCS	93.3	104	(69-134)			90 ug/L	10/20/2009
	LCSD	90.4	100		3	(< 20)	90 ug/L	10/20/2009
cis-1,2-Dichloroethene	LCS	26.4	88	(80-125)			30 ug/L	10/20/2009
	LCSD	25.4	85		4	(< 20)	30 ug/L	10/20/2009
4-Isopropyltoluene	LCS	30.6	102	(80-125)			30 ug/L	10/20/2009
	LCSD	29.1	97		5	(< 20)	30 ug/L	10/20/2009
cis-1,3-Dichloropropene	LCS	33.1	110	(80-120)			30 ug/L	10/20/2009
	LCSD	30.4	101		9	(< 20)	30 ug/L	10/20/2009
n-Propylbenzene	LCS	29.0	97	(80-129)			30 ug/L	10/20/2009
	LCSD	27.9	93		4	(< 20)	30 ug/L	10/20/2009

SGS

SGS Ref.#	934050	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	934051	Lab Control Sample Duplicate	**Prep Batch**	VXX20165	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/20/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Styrene	LCS	30.2	101	(80-120)			30 ug/L	10/20/2009
	LCSD	29.3	98		3	(< 20)	30 ug/L	10/20/2009
Dibromomethane	LCS	29.6	99	(80-120)			30 ug/L	10/20/2009
	LCSD	28.4	95		4	(< 20)	30 ug/L	10/20/2009
trans-1,3-Dichloropropene	LCS	28.6	96	(80-124)			30 ug/L	10/20/2009
	LCSD	27.2	91		5	(< 20)	30 ug/L	10/20/2009
1,2,4-Trichlorobenzene	LCS	31.2	104	(80-120)			30 ug/L	10/20/2009
	LCSD	30.0	100		4	(< 20)	30 ug/L	10/20/2009
Acetone	LCS	159	176 *	(50-135)			90 ug/L	10/20/2009
	LCSD	142	157 *		11	(< 20)	90 ug/L	10/20/2009
1,1,2,2-Tetrachloroethane	LCS	29.0	97	(76-123)			30 ug/L	10/20/2009
	LCSD	27.9	93		4	(< 20)	30 ug/L	10/20/2009
1,2-Dibromo-3-chloropropane	LCS	30.9	103	(73-130)			30 ug/L	10/20/2009
	LCSD	31.0	103		0	(< 20)	30 ug/L	10/20/2009
Methyl-t-butyl ether	LCS	42.1	94	(80-120)			45 ug/L	10/20/2009
	LCSD	39.2	87		7	(< 20)	45 ug/L	10/20/2009
Tetrachloroethene	LCS	29.4	98	(79-122)			30 ug/L	10/20/2009
	LCSD	28.7	96		2	(< 20)	30 ug/L	10/20/2009
Dibromochloromethane	LCS	29.2	97	(80-120)			30 ug/L	10/20/2009
	LCSD	27.6	92		6	(< 20)	30 ug/L	10/20/2009
1,3-Dichloropropane	LCS	28.2	94	(80-121)			30 ug/L	10/20/2009
	LCSD	27.6	92		2	(< 20)	30 ug/L	10/20/2009
1,2-Dibromoethane	LCS	29.9	100	(80-120)			30 ug/L	10/20/2009
	LCSD	28.5	95		5	(< 20)	30 ug/L	10/20/2009
Carbon tetrachloride	LCS	28.1	94	(80-126)			30 ug/L	10/20/2009
	LCSD	26.7	89		5	(< 20)	30 ug/L	10/20/2009
1,1,1,2-Tetrachloroethane	LCS	28.5	95	(80-120)			30 ug/L	10/20/2009

SGS

SGS Ref.#	934050	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	934051	Lab Control Sample Duplicate	**Prep Batch**	VXX20165	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/20/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov		LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
	LCSD	27.3	91			4	(< 20)	30 ug/L	10/20/2009
Chloroform	LCS	27.9	93		(80-124)			30 ug/L	10/20/2009
	LCSD	26.4	88			6	(< 20)	30 ug/L	10/20/2009
Bromobenzene	LCS	29.2	97		(80-120)			30 ug/L	10/20/2009
	LCSD	27.6	92			6	(< 20)	30 ug/L	10/20/2009
Chloromethane	LCS	38.7	129	*	(67-125)			30 ug/L	10/20/2009
	LCSD	36.7	122			5	(< 20)	30 ug/L	10/20/2009
1,2,3-Trichloropropane	LCS	27.6	92		(80-120)			30 ug/L	10/20/2009
	LCSD	26.8	89			3	(< 20)	30 ug/L	10/20/2009
Bromomethane	LCS	33.3	111		(30-140)			30 ug/L	10/20/2009
	LCSD	33.4	111			0	(< 20)	30 ug/L	10/20/2009
Bromochloromethane	LCS	28.3	94		(77-129)			30 ug/L	10/20/2009
	LCSD	26.8	89			6	(< 20)	30 ug/L	10/20/2009
Vinyl chloride	LCS	38.0	127		(72-145)			30 ug/L	10/20/2009
	LCSD	36.0	120			5	(< 20)	30 ug/L	10/20/2009
Dichlorodifluoromethane	LCS	49.8	166	*	(62-153)			30 ug/L	10/20/2009
	LCSD	46.8	156	*		6	(< 20)	30 ug/L	10/20/2009
Chloroethane	LCS	30.5	102		(67-133)			30 ug/L	10/20/2009
	LCSD	29.5	99			3	(< 20)	30 ug/L	10/20/2009
sec-Butylbenzene	LCS	29.6	99		(80-120)			30 ug/L	10/20/2009
	LCSD	28.4	95			4	(< 20)	30 ug/L	10/20/2009
Bromodichloromethane	LCS	32.4	108		(80-120)			30 ug/L	10/20/2009
	LCSD	30.3	101			7	(< 20)	30 ug/L	10/20/2009
1,1-Dichloroethene	LCS	29.2	97		(76-130)			30 ug/L	10/20/2009
	LCSD	27.8	93			5	(< 20)	30 ug/L	10/20/2009
2-Butanone (MEK)	LCS	118	131		(66-136)			90 ug/L	10/20/2009
	LCSD	115	128			2	(< 20)	90 ug/L	10/20/2009

SGS

SGS Ref.#	934050	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	934051	Lab Control Sample Duplicate	**Prep Batch**	VXX20165	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/20/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
Methylene chloride	LCS	29.5	98	(63-131)			30 ug/L	10/20/2009
	LCSD	27.8	93		6	(< 20)	30 ug/L	10/20/2009
Trichlorofluoromethane	LCS	33.4	111	(68-145)			30 ug/L	10/20/2009
	LCSD	31.0	103		7	(< 20)	30 ug/L	10/20/2009
P & M -Xylene	LCS	58.5	98	(80-120)			60 ug/L	10/20/2009
	LCSD	56.5	94		4	(< 20)	60 ug/L	10/20/2009
Naphthalene	LCS	30.2	101	(75-120)			30 ug/L	10/20/2009
	LCSD	28.5	95		6	(< 20)	30 ug/L	10/20/2009
o-Xylene	LCS	29.4	98	(80-120)			30 ug/L	10/20/2009
	LCSD	28.9	96		2	(< 20)	30 ug/L	10/20/2009
Bromoform	LCS	31.6	105	(80-120)			30 ug/L	10/20/2009
	LCSD	30.5	102		4	(< 20)	30 ug/L	10/20/2009
1-Chlorohexane	LCS	44.2	98	(70-125)			45 ug/L	10/20/2009
	LCSD	42.7	95		4	(< 20)	45 ug/L	10/20/2009
1,2,4-Trimethylbenzene	LCS	29.5	98	(80-125)			30 ug/L	10/20/2009
	LCSD	28.1	94		5	(< 20)	30 ug/L	10/20/2009
tert-Butylbenzene	LCS	29.5	98	(80-122)			30 ug/L	10/20/2009
	LCSD	27.8	93		6	(< 20)	30 ug/L	10/20/2009
1,1,1-Trichloroethane	LCS	29.7	99	(80-122)			30 ug/L	10/20/2009
	LCSD	27.6	92		7	(< 20)	30 ug/L	10/20/2009
1,1-Dichloroethane	LCS	28.4	95	(80-120)			30 ug/L	10/20/2009
	LCSD	27.0	90		5	(< 20)	30 ug/L	10/20/2009
2-Chlorotoluene	LCS	27.8	93	(80-125)			30 ug/L	10/20/2009
	LCSD	26.3	88		6	(< 20)	30 ug/L	10/20/2009
Trichloroethene	LCS	29.0	97	(80-125)			30 ug/L	10/20/2009
	LCSD	27.5	92		5	(< 20)	30 ug/L	10/20/2009
trans-1,2-Dichloroethene	LCS	29.6	99	(79-132)			30 ug/L	10/20/2009
	LCSD	27.1	90		9	(< 20)	30 ug/L	10/20/2009

SGS

SGS Ref.#	934050	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	934051	Lab Control Sample Duplicate	**Prep Batch**	VXX20165	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/20/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy								
1,2-Dichlorobenzene	LCS	28.1	94	(80-120)			30 ug/L	10/20/2009
	LCSD	27.2	91		3	(< 20)	30 ug/L	10/20/2009
2,2-Dichloropropane	LCS	30.3	101	(80-132)			30 ug/L	10/20/2009
	LCSD	27.5	92		9	(< 20)	30 ug/L	10/20/2009
Hexachlorobutadiene	LCS	30.8	103	(77-125)			30 ug/L	10/20/2009
	LCSD	30.0	100		3	(< 20)	30 ug/L	10/20/2009
Isopropylbenzene (Cumene)	LCS	29.9	100	(80-121)			30 ug/L	10/20/2009
	LCSD	29.0	97		3	(< 20)	30 ug/L	10/20/2009
1,2-Dichloropropane	LCS	29.7	99	(80-121)			30 ug/L	10/20/2009
	LCSD	28.3	94		5	(< 20)	30 ug/L	10/20/2009
1,1-Dichloropropene	LCS	30.0	100	(80-122)			30 ug/L	10/20/2009
	LCSD	28.5	95		5	(< 20)	30 ug/L	10/20/2009
1,1,2-Trichloroethane	LCS	29.7	99	(77-120)			30 ug/L	10/20/2009
	LCSD	28.4	95		5	(< 20)	30 ug/L	10/20/2009
1,3-Dichlorobenzene	LCS	28.6	95	(80-120)			30 ug/L	10/20/2009
	LCSD	27.1	90		5	(< 20)	30 ug/L	10/20/2009
1,2,3-Trichlorobenzene	LCS	29.9	100	(77-120)			30 ug/L	10/20/2009
	LCSD	28.9	96		4	(< 20)	30 ug/L	10/20/2009
Xylenes (total)	LCS	87.9	98	(80-120)			90 ug/L	10/20/2009
	LCSD	85.3	95		3	(< 20)	90 ug/L	10/20/2009
Surrogates								
1,2-Dichloroethane-D4 <surr>	LCS		98	(73-120)				10/20/2009
	LCSD		93		5			10/20/2009
Toluene-d8 <surr>	LCS		99	(80-120)				10/20/2009
	LCSD		101		2			10/20/2009
4-Bromofluorobenzene <surr>	LCS		100	(76-120)				10/20/2009
	LCSD		99		2			10/20/2009

SGS

SGS Ref.#	934050	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	934051	Lab Control Sample Duplicate	**Prep Batch**	VXX20165	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/20/2009	
Matrix	Water (Surface, Eff., Ground)				

Parameter	QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Volatile Gas Chromatography/Mass Spectroscopy

Batch VMS10954
Method SW8260B
Instrument HP 5890 Series II MS3 VNA

SGS

SGS Ref.#	934913 Lab Control Sample	**Printed Date/Time**		11/02/2009	16:48
		Prep	**Batch**	MXX22450	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW3010A	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/26/2009	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1095639001, 1095639004, 1095639005, 1095639006, 1095639007, 1095639008

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Metals by ICP/MS								
Lead	LCS	983	98	(80-120)			1000 ug/L	11/02/2009

Batch MMS6169
Method SW6020
Instrument Perkin Elmer Sciex ICP-MS P3

SGS

SGS Ref.#	934943	Lab Control Sample	**Printed Date/Time**	11/02/2009	16:48
	934944	Lab Control Sample Duplicate	**Prep Batch**	VXX20181	
Client Name	The Environmental Company, Inc. (TEC)		**Method**	SW5030B	
Project Name/#	3354-003 Red Hill BFSF		**Date**	10/24/2009	
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

1095639001, 1095639004, 1095639005, 1095639006, 1095639007, 1095639008, 1095639009

Parameter		QC Results	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Fuels Department								
Gasoline Range Organics	LCS	206	103	(79-108)			200 ug/L	10/24/2009
	LCSD	197	98		5	(< 20)	200 ug/L	10/24/2009
Surrogates								
4-Bromofluorobenzene <surr>	LCS		99	(50-150)				10/24/2009
	LCSD		100		2			10/24/2009

Batch	VFC9728
Method	SW8015C
Instrument	HP 5890 Series II PID+HECD VBA

SGS

SGS Ref.#	1095639002	Billable Matrix Spike	**Printed Date/Time**		11/02/2009 16:48
	1095639003	Billable Matrix Spike Dup.	**Prep**	**Batch**	MXX22450
				Method	3010 H20 Digest for Metals ICI
				Date	10/26/2009
Original	1095639001				
Matrix	Water (Surface, Eff., Ground)				

QC results affect the following production samples:

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount		Analysis Date
Dissolved Metals by ICP/MS										
Lead	BMS	ND	978	98	(80-120)			1000	ug/L	11/02/2009
	BMSD		931	93		5	(< 15)	1000	ug/L	11/02/2009
Batch	MMS6169									
Method	SW6020									
Instrument	Perkin Elmer Sciex ICP-MS P3									
Volatile Fuels Department										
Gasoline Range Organics	BMS	ND	508	113*	(79-108)			450	ug/L	10/24/2009
	BMSD		420	93		19	(< 20)	450	ug/L	10/24/2009
Surrogates										
4-Bromofluorobenzene <surr>	BMS		52.4	105	(50-150)					10/24/2009
	BMSD		53.1	106		1				10/24/2009
Batch	VFC9728									
Method	SW8015C									
Instrument	HP 5890 Series II PID+HECD VBA									
Semivolatile Organic Fuels Department										
Diesel Range Organics	BMS	ND	4.13	79	(75-125)			5.26	mg/L	10/26/2009
	BMSD		4.50	85		9	(< 30)	5.32	mg/L	10/26/2009
Surrogates										
5a Androstane <surr>	BMS		.087	83	(50-150)					10/26/2009
	BMSD		0.0926	87		6				10/26/2009
Batch	XFC8990									
Method	SW8015C									
Instrument	HP 6890 Series II FID SV D R									
Volatile Gas Chromatography/Mass Spectroscopy										

SGS

SGS Ref.#	1095639002	Billable Matrix Spike	**Printed Date/Time**	11/02/2009 16:48
	1095639003	Billable Matrix Spike Dup.	**Prep Batch**	VXX20165
			Method	Volatiles Extraction AFCEE 3.1
			Date	10/20/2009
Original	1095639001			
Matrix	Water (Surface, Eff., Ground)			

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
Benzene	BMS	ND	27.5	92	(80-120)			30.0	ug/L 10/20/2009
	BMSD		29.0	97		5	(< 20)	30.0	ug/L 10/20/2009
Toluene	BMS	ND	26.3	88	(77-120)			30.0	ug/L 10/20/2009
	BMSD		27.8	93		5	(< 20)	30.0	ug/L 10/20/2009
Ethylbenzene	BMS	ND	28.7	96	(80-120)			30.0	ug/L 10/20/2009
	BMSD		29.7	99		3	(< 20)	30.0	ug/L 10/20/2009
n-Butylbenzene	BMS	ND	29.2	98	(80-124)			30.0	ug/L 10/20/2009
	BMSD		30.6	102		5	(< 20)	30.0	ug/L 10/20/2009
1,4-Dichlorobenzene	BMS	ND	28	93	(80-120)			30.0	ug/L 10/20/2009
	BMSD		29.4	98		5	(< 20)	30.0	ug/L 10/20/2009
1,2-Dichloroethane	BMS	ND	24.8	83	(80-129)			30.0	ug/L 10/20/2009
	BMSD		25.5	85		3	(< 20)	30.0	ug/L 10/20/2009
1,3,5-Trimethylbenzene	BMS	ND	28.1	94	(80-128)			30.0	ug/L 10/20/2009
	BMSD		29.2	97		4	(< 20)	30.0	ug/L 10/20/2009
4-Chlorotoluene	BMS	ND	28.3	94	(79-128)			30.0	ug/L 10/20/2009
	BMSD		29.2	97		3	(< 20)	30.0	ug/L 10/20/2009
Chlorobenzene	BMS	ND	27.9	93	(80-120)			30.0	ug/L 10/20/2009
	BMSD		29.3	98		5	(< 20)	30.0	ug/L 10/20/2009
4-Methyl-2-pentanone (MIBK)	BMS	ND	95.5	106	(69-134)			90.0	ug/L 10/20/2009
	BMSD		99.4	110		4	(< 20)	90.0	ug/L 10/20/2009
cis-1,2-Dichloroethene	BMS	ND	25.7	86	(80-125)			30.0	ug/L 10/20/2009
	BMSD		26.9	90		5	(< 20)	30.0	ug/L 10/20/2009
4-Isopropyltoluene	BMS	ND	29.1	97	(80-125)			30.0	ug/L 10/20/2009
	BMSD		30.9	103		6	(< 20)	30.0	ug/L 10/20/2009
cis-1,3-Dichloropropene	BMS	ND	30.7	102	(80-120)			30.0	ug/L 10/20/2009
	BMSD		32.5	108		6	(< 20)	30.0	ug/L 10/20/2009
n-Propylbenzene	BMS	ND	28.1	94	(80-129)			30.0	ug/L 10/20/2009
	BMSD		29.2	97		4	(< 20)	30.0	ug/L 10/20/2009
Styrene	BMS	ND	29.3	98	(80-120)			30.0	ug/L 10/20/2009
	BMSD		30.8	103		5	(< 20)	30.0	ug/L 10/20/2009
Dibromomethane	BMS	ND	27.8	93	(80-120)			30.0	ug/L 10/20/2009
	BMSD		29.5	98		6	(< 20)	30.0	ug/L 10/20/2009
trans-1,3-Dichloropropene	BMS	ND	26.6	89	(80-124)			30.0	ug/L 10/20/2009
	BMSD		27.2	91		2	(< 20)	30.0	ug/L 10/20/2009
1,2,4-Trichlorobenzene	BMS	ND	31.2	104	(80-120)			30.0	ug/L 10/20/2009
	BMSD		33.3	111		7	(< 20)	30.0	ug/L 10/20/2009
Acetone	BMS	ND	87.9	98	(50-135)			90.0	ug/L 10/20/2009
	BMSD		92.9	103		6	(< 20)	90.0	ug/L 10/20/2009
1,1,2,2-Tetrachloroethane	BMS	ND	29.4	98	(76-123)			30.0	ug/L 10/20/2009
	BMSD		30.3	101		3	(< 20)	30.0	ug/L 10/20/2009

SGS

SGS Ref.#	1095639002	Billable Matrix Spike	**Printed Date/Time**	11/02/2009 16:48
	1095639003	Billable Matrix Spike Dup.	**Prep Batch**	VXX20165
			Method	Volatiles Extraction AFCEE 3.1
			Date	10/20/2009
Original	1095639001			
Matrix	Water (Surface, Eff., Ground)			

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
1,2-Dibromo-3-chloropropane	BMS	ND	31.6	105	(73-130)			30.0 ug/L	10/20/2009
	BMSD		34.2	114		8	(< 20)	30.0 ug/L	10/20/2009
Methyl-t-butyl ether	BMS	ND	36.2	81	(80-120)			45.0 ug/L	10/20/2009
	BMSD		39.0	87		7	(< 20)	45.0 ug/L	10/20/2009
Tetrachloroethene	BMS	ND	28.2	94	(79-122)			30.0 ug/L	10/20/2009
	BMSD		29.5	98		4	(< 20)	30.0 ug/L	10/20/2009
Dibromochloromethane	BMS	ND	26.5	88	(80-120)			30.0 ug/L	10/20/2009
	BMSD		28.3	94		7	(< 20)	30.0 ug/L	10/20/2009
1,3-Dichloropropane	BMS	ND	27.1	91	(80-121)			30.0 ug/L	10/20/2009
	BMSD		27.4	91		1	(< 20)	30.0 ug/L	10/20/2009
1,2-Dibromoethane	BMS	ND	28.4	95	(80-120)			30.0 ug/L	10/20/2009
	BMSD		30.0	100		5	(< 20)	30.0 ug/L	10/20/2009
Carbon tetrachloride	BMS	ND	22.5	75*	(80-126)			30.0 ug/L	10/20/2009
	BMSD		28.3	94		23 *	(< 20)	30.0 ug/L	10/20/2009
1,1,1,2-Tetrachloroethane	BMS	ND	26.3	88	(80-120)			30.0 ug/L	10/20/2009
	BMSD		27.4	92		4	(< 20)	30.0 ug/L	10/20/2009
Chloroform	BMS	ND	24.9	83	(80-124)			30.0 ug/L	10/20/2009
	BMSD		26.3	88		5	(< 20)	30.0 ug/L	10/20/2009
Bromobenzene	BMS	ND	27.9	93	(80-120)			30.0 ug/L	10/20/2009
	BMSD		29.2	97		5	(< 20)	30.0 ug/L	10/20/2009
Chloromethane	BMS	ND	35.9	120	(67-125)			30.0 ug/L	10/20/2009
	BMSD		37.0	123		3	(< 20)	30.0 ug/L	10/20/2009
1,2,3-Trichloropropane	BMS	ND	28.7	96	(80-120)			30.0 ug/L	10/20/2009
	BMSD		29.6	99		3	(< 20)	30.0 ug/L	10/20/2009
Bromomethane	BMS	ND	33.2	111	(30-140)			30.0 ug/L	10/20/2009
	BMSD		35.4	118		7	(< 20)	30.0 ug/L	10/20/2009
Bromochloromethane	BMS	ND	29.3	98	(77-129)			30.0 ug/L	10/20/2009
	BMSD		30.2	101		3	(< 20)	30.0 ug/L	10/20/2009
Vinyl chloride	BMS	ND	37	123	(72-145)			30.0 ug/L	10/20/2009
	BMSD		38.7	129		4	(< 20)	30.0 ug/L	10/20/2009
Dichlorodifluoromethane	BMS	ND	43.1	144	(62-153)			30.0 ug/L	10/20/2009
	BMSD		45.5	152		5	(< 20)	30.0 ug/L	10/20/2009
Chloroethane	BMS	ND	28.4	95	(67-133)			30.0 ug/L	10/20/2009
	BMSD		28.3	94		0	(< 20)	30.0 ug/L	10/20/2009
sec-Butylbenzene	BMS	ND	28.8	96	(80-120)			30.0 ug/L	10/20/2009
	BMSD		29.8	100		4	(< 20)	30.0 ug/L	10/20/2009
Bromodichloromethane	BMS	ND	28.6	95	(80-120)			30.0 ug/L	10/20/2009
	BMSD		29.9	100		5	(< 20)	30.0 ug/L	10/20/2009
1,1-Dichloroethene	BMS	ND	28.6	95	(76-130)			30.0 ug/L	10/20/2009
	BMSD		30.5	102		7	(< 20)	30.0 ug/L	10/20/2009

SGS

SGS Ref.#	1095639002	Billable Matrix Spike	**Printed Date/Time**		11/02/2009 16:48
	1095639003	Billable Matrix Spike Dup.	**Prep**	**Batch**	VXX20165
				Method	Volatiles Extraction AFCEE 3.1
				Date	10/20/2009
Original	1095639001				
Matrix	Water (Surface, Eff., Ground)				

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
2-Butanone (MEK)	BMS	ND	81.9	91	(66-136)			90.0	ug/L 10/20/2009
	BMSD		88.2	98		7	(< 20)	90.0	ug/L 10/20/2009
Methylene chloride	BMS	ND	31.1	104	(63-131)			30.0	ug/L 10/20/2009
	BMSD		33.5	112		8	(< 20)	30.0	ug/L 10/20/2009
Trichlorofluoromethane	BMS	ND	11.5	38*	(68-145)			30.0	ug/L 10/20/2009
	BMSD		12.1	40*		5	(< 20)	30.0	ug/L 10/20/2009
P & M -Xylene	BMS	ND	57.4	96	(80-120)			60.0	ug/L 10/20/2009
	BMSD		59.5	99		4	(< 20)	60.0	ug/L 10/20/2009
Naphthalene	BMS	ND	30.2	101	(75-120)			30.0	ug/L 10/20/2009
	BMSD		32.3	108		7	(< 20)	30.0	ug/L 10/20/2009
o-Xylene	BMS	ND	28.8	96	(80-120)			30.0	ug/L 10/20/2009
	BMSD		30.4	101		5	(< 20)	30.0	ug/L 10/20/2009
Bromoform	BMS	ND	29.7	99	(80-120)			30.0	ug/L 10/20/2009
	BMSD		31.0	103		4	(< 20)	30.0	ug/L 10/20/2009
1-Chlorohexane	BMS	ND	42.5	95	(70-125)			45.0	ug/L 10/20/2009
	BMSD		44.6	99		5	(< 20)	45.0	ug/L 10/20/2009
1,2,4-Trimethylbenzene	BMS	ND	28.2	94	(80-125)			30.0	ug/L 10/20/2009
	BMSD		29.4	98		4	(< 20)	30.0	ug/L 10/20/2009
tert-Butylbenzene	BMS	ND	28.5	95	(80-122)			30.0	ug/L 10/20/2009
	BMSD		29.8	99		4	(< 20)	30.0	ug/L 10/20/2009
1,1,1-Trichloroethane	BMS	ND	24.5	82	(80-122)			30.0	ug/L 10/20/2009
	BMSD		24.5	82		0	(< 20)	30.0	ug/L 10/20/2009
1,1-Dichloroethane	BMS	ND	27	90	(80-120)			30.0	ug/L 10/20/2009
	BMSD		29.6	99		9	(< 20)	30.0	ug/L 10/20/2009
2-Chlorotoluene	BMS	ND	27.1	90	(80-125)			30.0	ug/L 10/20/2009
	BMSD		28.0	93		3	(< 20)	30.0	ug/L 10/20/2009
Trichloroethene	BMS	ND	27.2	91	(80-125)			30.0	ug/L 10/20/2009
	BMSD		28.5	95		5	(< 20)	30.0	ug/L 10/20/2009
trans-1,2-Dichloroethene	BMS	ND	26.4	88	(79-132)			30.0	ug/L 10/20/2009
	BMSD		27.3	91		4	(< 20)	30.0	ug/L 10/20/2009
1,2-Dichlorobenzene	BMS	ND	28	93	(80-120)			30.0	ug/L 10/20/2009
	BMSD		29.3	98		5	(< 20)	30.0	ug/L 10/20/2009
2,2-Dichloropropane	BMS	ND	25.2	84	(80-132)			30.0	ug/L 10/20/2009
	BMSD		26.0	87		3	(< 20)	30.0	ug/L 10/20/2009
Hexachlorobutadiene	BMS	ND	30.3	101	(77-125)			30.0	ug/L 10/20/2009
	BMSD		31.6	105		4	(< 20)	30.0	ug/L 10/20/2009
Isopropylbenzene (Cumene)	BMS	ND	29.1	97	(80-121)			30.0	ug/L 10/20/2009
	BMSD		30.2	101		4	(< 20)	30.0	ug/L 10/20/2009
1,2-Dichloropropane	BMS	ND	27.2	91	(80-121)			30.0	ug/L 10/20/2009
	BMSD		29.1	97		7	(< 20)	30.0	ug/L 10/20/2009

SGS

SGS Ref.#	1095639002	Billable Matrix Spike	**Printed Date/Time**		11/02/2009 16:48
	1095639003	Billable Matrix Spike Dup.	**Prep**	**Batch**	VXX20165
				Method	Volatiles Extraction AFCEE 3.1
				Date	10/20/2009
Original	1095639001				
Matrix	Water (Surface, Eff., Ground)				

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Volatile Gas Chromatography/Mass Spectroscopy									
1,1-Dichloropropene		BMS ND	27.2	91	(80-122)			30.0 ug/L	10/20/2009
		BMSD	29.2	97		7	(< 20)	30.0 ug/L	10/20/2009
1,1,2-Trichloroethane		BMS ND	27.3	91	(77-120)			30.0 ug/L	10/20/2009
		BMSD	28.1	94		3	(< 20)	30.0 ug/L	10/20/2009
1,3-Dichlorobenzene		BMS ND	28.3	94	(80-120)			30.0 ug/L	10/20/2009
		BMSD	29.1	97		3	(< 20)	30.0 ug/L	10/20/2009
1,2,3-Trichlorobenzene		BMS ND	30.6	102	(77-120)			30.0 ug/L	10/20/2009
		BMSD	32.9	110		7	(< 20)	30.0 ug/L	10/20/2009
Xylenes (total)		BMS ND	86.2	96	(80-120)			90.0 ug/L	10/20/2009
		BMSD	89.9	100		4	(< 20)	90.0 ug/L	10/20/2009
Surrogates									
1,2-Dichloroethane-D4 <surr>		BMS	25.9	86	(73-120)				10/20/2009
		BMSD	26.7	89		3			10/20/2009
Toluene-d8 <surr>		BMS	29.4	98	(80-120)				10/20/2009
		BMSD	29.7	99		1			10/20/2009
4-Bromofluorobenzene <surr>		BMS	29.6	99	(76-120)				10/20/2009
		BMSD	29.8	99		1			10/20/2009

Batch VMS10954
Method SW8260B
Instrument HP 5890 Series II MS3 VNA

Polynuclear Aromatics GC/MS

SGS

SGS Ref.#	1095639002	Billable Matrix Spike	**Printed Date/Time**	11/02/2009 16:48
	1095639003	Billable Matrix Spike Dup.	**Prep Batch**	XXX21842
			Method	3520 Liquid/Liquid Ext for 827
			Date	10/18/2009
Original	1095639001			
Matrix	Water (Surface, Eff., Ground)			

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date
Polynuclear Aromatics GC/MS									
Acenaphthylene	BMS	ND	.437	80	(50-105)			0.549	ug/L 10/25/2009
	BMSD		0.414	78		6	(< 30)	0.532	ug/L 10/25/2009
Acenaphthene	BMS	ND	.447	81	(45-110)			0.549	ug/L 10/25/2009
	BMSD		0.422	79		6	(< 30)	0.532	ug/L 10/25/2009
Fluorene	BMS	ND	.452	82	(50-110)			0.549	ug/L 10/25/2009
	BMSD		0.428	81		5	(< 30)	0.532	ug/L 10/25/2009
Phenanthrene	BMS	ND	.423	77	(50-115)			0.549	ug/L 10/25/2009
	BMSD		0.405	76		5	(< 30)	0.532	ug/L 10/25/2009
Anthracene	BMS	ND	.519	94	(55-110)			0.549	ug/L 10/25/2009
	BMSD		0.483	91		7	(< 30)	0.532	ug/L 10/25/2009
Fluoranthene	BMS	ND	.57	104	(55-125)			0.549	ug/L 10/25/2009
	BMSD		0.526	99		8	(< 30)	0.532	ug/L 10/25/2009
Pyrene	BMS	ND	.544	99	(50-130)			0.549	ug/L 10/25/2009
	BMSD		0.512	96		6	(< 30)	0.532	ug/L 10/25/2009
Benzo(a)Anthracene	BMS	ND	.501	91	(55-120)			0.549	ug/L 10/25/2009
	BMSD		0.489	92		3	(< 30)	0.532	ug/L 10/25/2009
Chrysene	BMS	ND	.54	98	(55-120)			0.549	ug/L 10/25/2009
	BMSD		0.492	93		9	(< 30)	0.532	ug/L 10/25/2009
Benzo[b]Fluoranthene	BMS	ND	.463	84	(46-130)			0.549	ug/L 10/25/2009
	BMSD		0.469	88		1	(< 30)	0.532	ug/L 10/25/2009
Benzo[k]fluoranthene	BMS	ND	.482	88	(60-125)			0.549	ug/L 10/25/2009
	BMSD		0.481	90		0	(< 30)	0.532	ug/L 10/25/2009
Benzo[a]pyrene	BMS	ND	.493	90	(55-120)			0.549	ug/L 10/25/2009
	BMSD		0.483	91		2	(< 30)	0.532	ug/L 10/25/2009
Indeno[1,2,3-c,d] pyrene	BMS	ND	.497	90	(45-125)			0.549	ug/L 10/25/2009
	BMSD		0.471	89		5	(< 30)	0.532	ug/L 10/25/2009
Dibenzo[a,h]anthracene	BMS	ND	.511	93	(41-140)			0.549	ug/L 10/25/2009
	BMSD		0.481	90		6	(< 30)	0.532	ug/L 10/25/2009
Benzo[g,h,i]perylene	BMS	ND	.485	88	(46-125)			0.549	ug/L 10/25/2009
	BMSD		0.449	84		8	(< 30)	0.532	ug/L 10/25/2009
Naphthalene	BMS	ND	.464	84	(42-100)			0.549	ug/L 10/25/2009
	BMSD		0.433	81		7	(< 30)	0.532	ug/L 10/25/2009
1-Methylnaphthalene	BMS	ND	.47	86	(46-115)			0.549	ug/L 10/25/2009
	BMSD		0.435	82		8	(< 30)	0.532	ug/L 10/25/2009
2-Methylnaphthalene	BMS	ND	.426	78	(45-105)			0.549	ug/L 10/25/2009
	BMSD		0.405	76		5	(< 30)	0.532	ug/L 10/25/2009
Surrogates									
Terphenyl-d14 <surr>	BMS		.534	97	(50-135)				10/25/2009
	BMSD		0.505	95		6			10/25/2009

SGS

SGS Ref.#	1095639002	Billable Matrix Spike	**Printed Date/Time**		11/02/2009 16:48
	1095639003	Billable Matrix Spike Dup.	**Prep**	**Batch**	XXX21842
				Method	3520 Liquid/Liquid Ext for 827
				Date	10/18/2009
Original	1095639001				
Matrix	Water (Surface, Eff., Ground)				

Parameter	Qualifiers	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analysis Date

Polynuclear Aromatics GC/MS

Batch	XMS5164
Method	8270D SIMS
Instrument	HP 6890 Series II MS2 SVOA

SGS

CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

1095639

Nationwide
Hawaii
Louisiana
West Virginia

www.us.sgs.com

CLIENT:	TEC INC.	SGS Reference #:	page _____ of _____
CONTACT:	Rick Adkisson	PHONE NO:	808.528.1445
PROJECT:	3354-003	SITE/PWSID#:	Red Hill BFSF
REPORTS TO:	Rick Adkisson	email	rkadkisson@tecinc.com
		cc	wmcwhitman@tecinc.com
INVOICE TO:	TEC INC	QUOTE #:	
		P.O. NUMBER:	

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	Preserv. Used	SAMPLE TYPE C = COMP G = GRAB	TPH-GRO (8015B)	TPH-DRO (8015B)	VOC's (8260B)	PAH's (8270C-SIMS)	Diss Pb (6020)	REMARKS
(1)(2)(3) A-F,G	RHMW2254-WG17	10/14/2009	0915	Water	21			X		X		X	3x Volume sent in 3 coolers
(4) A-G	RHMW03-WG17	10/14/2009	1105	Water	7			X		X		X	
(5)	RHMW02-WG17	10/13/2009	1615	Water	7			X		X		X	
(6)	RHMWA01-WG17	10/14/2009	1205	Water	7			X		X		X	
(7)	RHMW01-WG17	10/14/2009	1535	Water	7			X		X		X	
(8)	RHMW05-WG17	10/13/2009	1730	Water	7			X		X		X	
(9) A-C	TB01-WG17	10/14/2009	0805	Water	3			X		X			

Collected/Relinquished By: (1)		Date: 10/15/09	Time: 09:30	Received By:	Shipping Carrier: / Shipping Ticket No:	Samples Received Cold? YES NO / Temperature °C:
Relinquished By: (2)		Date: 10/15/09	Time: 1400	Received By:	Special Deliverable Requirements: See Contract	Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Relinquished By: (3)		Date:	Time:	Received By:	Requested Turnaround Time and-or Special Instructions: See Contract	
Relinquished By: (4)		Date: 10/16/09	Time:	Received For Laboratory By:		

☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 3180 Peger Road Fairbanks, AK 99701 Tel: (907) 474-8656 Fax: (907) 474-9685
☐ 255 Sand Island Access Rd., Unit 1B Honolulu, HI 96819 Tel: (808) 224-6217 Fax: (808) 845-2287
☐ 151 James Drive West St Rose, LA 70087 Tel: (504) 469-6401 Fax: (504) 463-3304
☐ 1258 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

SGS

CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

1095639

Locations Nationwide
Alaska Hawaii
Maryland Louisiana
New Jersey West Virginia
North Carolina
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CLIENT:	TEC INC.	SGS Reference #:	page _____ of _____
CONTACT:	Rick Adkisson	PHONE NO: 808.528.1445	
PROJECT:	3354-003	SITE/PWSID#: Red Hill BFSF	
REPORTS TO:	Rick Adkisson	email rkadkisson@tecinc.com cc wmcwhitman@tecinc.com	
INVOICE TO:	TEC INC	QUOTE #: P.O. NUMBER:	

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	Preserv. Used	SAMPLE TYPE C = COMP G = GRAB	TPH-GRO (8015B)	TPH-DRO (8015B)	VOC's (8260B)	PAH's (8270C-SIMS)	Diss Pb (6020)	H	J	REMARKS
02H-K	RHMW2254-WG17	10/14/2009	0915	Water	8				X		X				3x Volume sent in 3 coolers

Collected/Relinquished By: (1)	Date 10/15/09	Time 09:30	Received By:
Relinquished By: (2)	Date 10/15/09	Time 1400	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 10/16/09	Time	Received For Laboratory By:

Shipping Carrier: | Samples Received Cold? YES NO
Shipping Ticket No: | Temperature °C
Special Deliverable Requirements: See Contract | Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Requested Turnaround Time and-or Special Instructions: **See Contract**

☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 3180 Peger Road **Fairbanks, AK 99701** Tel: (907) 474-8656 Fax: (907) 474-9685
☐ 255 Sand Island Access Rd., Unit 1B **Honolulu, HI 96819** Tel: (808) 224-6217 Fax: (808) 845-2287
☐ 151 James Drive West **St Rose, LA 70087** Tel: (504) 469-6401 Fax: (504) 463-3304
☐ 1258 Greenbrier Street **Charleston, WV 25311** Tel: (304) 346-0725 Fax: (304) 346-0761
☐ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

SGS

CHAIN OF CUSTODY RECORD
SGS Environmental Services Inc.

1095639

Locations Nationwide
laska Hawaii
aryland Louisiana
ew Jersey West Virginia
orth Carolina

www.us.sgs.com

CLIENT:	TEC INC.	SGS Reference #:	page _____ of _____
CONTACT:	Rick Adkisson	PHONE NO:	808.528.1445
PROJECT:	3354-003	SITE/PWSID#:	Red Hill BFSF
REPORTS TO:	Rick Adkisson	email	rkadkisson@tecinc.com
		cc	wmcwhitman@tecinc.com
INVOICE TO:	TEC INC	QUOTE #:	
		P.O. NUMBER:	

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	Preserv. Used	SAMPLE TYPE C = COMP G = GRAB	TPH-GRO (8015B)	TPH-DRO (8015B)	VOC's (8260B)	PAH's (8270C-SIMS)	Diss Pb (6020)								REMARKS
(3) H-K	RHMW2254-WG17	10/14/2009	0915	Water	4				X		X									3x Volume sent in 3 coolers
(8) H-K	RHMW05-WG17	10/13/2009	1730	Water	4				X		X									

Collected/Relinquished By: (1)	Date: 10/15/09	Time: 09:30	Received By:
Relinquished By: (2)	Date: 10/15/09	Time: 1500	Received By:
Relinquished By: (3)	Date:	Time:	Received By:
Relinquished By: (4)	Date: 10/16/09	Time:	Received For Laboratory By:

Shipping Carrier:	Samples Received Cold? YES NO
Shipping Ticket No:	Temperature °C:
Special Deliverable Requirements: See Contract	Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and-or Special Instructions.

See Contract

☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel. (907) 562-2343 Fax. (907) 561-5301
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Locations Nationwide
Alaska Hawaii
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North Carolina
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CLIENT:	TEC INC.	SGS Reference #:	page _____ of _____
CONTACT:	Rick Adkisson	PHONE NO:	808.528.1445
PROJECT:	3354-003	SITE/PWSID#:	Red Hill BFSF
REPORTS TO:	Rick Adkisson	email	rkadkisson@tecinc.com
		cc	wmcwhitman@tecinc.com
INVOICE TO:	TEC INC	QUOTE #:	
		P.O. NUMBER:	

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	Preserv. Used	SAMPLE TYPE C = COMP G = GRAB	TPH-GRO (8015B)	TPH-DRO (8015B)	VOC's (8260B)	PAH's (8270C-SIMS)	Diss Pb (6020)								REMARKS
(7) H-K	RHMW01-WG17	10/14/2009	1535	Water	4				X		X									
(9) H-K	RHMW03-WG17	10/14/2009	1105	Water	4				X		X									

Collected/Relinquished By: (1)	Date: 10/15/09	Time: 09:30	Received By:
Relinquished By: (2)	Date: 10/16/09	Time: 1400	Received By:
Relinquished By: (3)	Date:	Time:	Received By:
Relinquished By: (4)	Date: 10/16/09	Time:	Received For Laboratory By:

Shipping Carrier:
Shipping Ticket No:
Special Deliverable Requirements: See Contract
Samples Received Cold? YES NO
Temperature °C:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Requested Turnaround Time and-or Special Instructions: **See Contract**

☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
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Locations Nationwide
Alaska Hawaii
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New Jersey West Virginia
North Carolina
www.us.sgs.com

CLIENT: TEC INC.
CONTACT: Rick Adkisson PHONE NO: 808.528.1445
PROJECT: 3354-003 SITE/PWSID#: Red Hill BFSF
REPORTS TO: Rick Adkisson email rkadkisson@tecinc.com
cc wmcwhitman@tecinc.com
INVOICE TO: TEC INC QUOTE #:
P.O. NUMBER:

SGS Reference #:

page _____ of _____

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	# CONTAINERS	Preserv. Used	SAMPLE TYPE C = COMP G = GRAB	TPH-GRO (8015B)	TPH-DRO (8015B)	VOC's (8260B)	PAH's (8270C-SIMS)	Diss Pb (6020)	REMARKS
(5) H-K	RHMW02-WG17	10/13/2009	1615	Water	4				X		X		
(6) H-K	RHMWA01-WG17	10/14/2009	1205	Water	4				X		X		

Collected/Relinquished By: (1)	Date 10/15/09	Time 09:30	Received By:
Relinquished By: (2)	Date 10/15/09	Time 1400	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 10/16/09	Time	Received For Laboratory By:

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? YES NO
Temperature °C:
Special Deliverable Requirements: See Contract
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Requested Turnaround Time and-or Special Instructions: **See Contract**

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SAMPLE RECEIPT FORM

SGS WO#:

Yes	No	NA	
	✓		Are samples **RUSH**, priority or *w/in 72 hrs* of **hold time**?
		✓	If yes, have you done *e-mail ALERT notification*?
	✓		Are samples *within 24 hrs.* of **hold time** or **due date**?
		✓	If yes, have you also *spoken with* supervisor?
		✓	Archiving bottles: Are lids marked w/ red "X"?
✓			Were samples collected with proper preservative?
	✓		**Any problems (ID, cond'n, HT, etc)? Explain:**
		✓	If this is for PWS, provide **PWSID:**______
	✓		Payment received: $______ by Check or Credit Card
	✓		Will courier charges apply?
✓			Data package required? (Level: 1 / 2 / 3 / 4)
			Notes:
✓			Is this a DoD project? (USACE, Navy, AFCEE)

TAT (circle one): (Standard) -or- Rush

Received Date: 10/16/09

Received Time: 1045

Cooler ID	Temperature		Measured w/ (Therm #)
1	TB= 4.1	C= 4.3	
2	2.0	3.1 °C	#6/#7
3	3.7	4.0 °C	#6
4	2.3	2.5 °C	#6
5	↓	↓ 1.5 °C	#7

Note: Temperature readings include thermometer correction factors

Delivery method (circle all that apply):

Client / Alert Courier / Lynden / SGS
UPS / (FedEx) / USPS / DHL / Carlile
AkAir Goldstreak / NAC / ERA / PenAir
Other: ______

Additional Sample Remarks: *(√ if applicable)*

_____ Extra Sample Volume?
_____ Limited Sample Volume?
_____ Multi-Incremental Samples?
_____ Lab-filtered for dissolved _____
_____ Ref Lab required for _____
_____ Foreign Soil?

This section must be filled out for DoD projects (USACE, Navy, AFCEE):

Yes	No	
✓		Is received temperature ≤6°C?
✓		Were containers ice-free? *Notify PM immediately of any ice in samples.* If some cooler temperatures are non-compliant, see form FS-0029 (attached) for samples/analyses affected.
✓		Was there an airbill? *(If "yes," see attached.)*
✓		Was cooler sealed with custody seals & were they intact? #/where: 2/ on front + 1 on back x 5
✓		Was there a COC with cooler?
✓		Was COC sealed in plastic bag & taped inside lid of cooler?
✓		Was the COC filled out properly? Did labels correspond?
✓		Did the COC indicate USACE / Navy / AFCEE project?
		Samples were packed to prevent breakage with *(circle one)*: (Bubble Wrap) / Vermiculite / Other (specify):
	✓	Were all samples sealed in separate plastic bags?
✓		Were all VOCs free of headspace and/or MeOH preserved?
✓		Were correct container / sample sizes submitted?
✓		Was the PM notified of arrival so they can send Sample Receipt Acknowledgement to client?

Cooler ID: 1 Cooler Temp °C: ___ Cooler ID: 3 Cooler Temp °C: ___
Cooler ID: 2 Cooler Temp °C: ___ Cooler ID: 4 Cooler Temp °C: ___

This section must be completed if problems are noted:

Was client notified of problems? Yes / No

By (SGS PM):

Individual contacted:

Via: Phone / Fax / E-mail *(circle one)*

Date/Time:

Reason for contact:

Change Order Required? Yes / No

Notes:

Completed by (sign): [signature] **(print):** Joe Rud.

Login proof: **Self-check completed** JJR **Peer-reviewer's Initials** [initials]

1095639

SGS

SAMPLE RECEIPT FORM - Bottle Tracking

SGS WO#:

#	Container ID	Matrix	Test	QC	TB	1L	500mL	250mL or 8oz	125mL or 4oz	60mL	40mL	Other:	AG	CG	HDPE	Nalgene	Coli	Septa	Other:	None	HCl	HNO3	H2SO4	NaOH	Ascorbic Acid	NH_4Cl	Other:	*Notes
						Container Volume							Container Type							Preservative								
1	A-C	1	GRO								3		✓					✓			✓							
	D-F		VOC								3		✓					✓			✓							
	G		Diss Pb					1							✓							✓						
	HI		DRO			2							✓								✓							
	JK	↓	PAH			2							✓							✓								
2	A-C	1	GRO	MS							3		✓					✓										
	D-F		VOC								3		✓					✓										
	G		extra Volume					1							✓													
	HI		DRO			2							✓															
	JK		PAH			2							✓															
	L	↓	Diss ~~AA~~ JR Pb	↓				S	J	A	①	G																
3	A-C	1	GRO	MSD							3		✓					✓										
	D-F		VOC								3		✓					✓										
	G		extra Volume					1							✓													
	HI		DRO			2							✓															
	JK		PAH			2							✓															
	L	↓	Diss Pb	↓				S	J	A	①	G																
			Bottle Totals			12		3			18																	

* Note: Containers which require (additional) chemical preservation upon receipt must be documented per SOP#106

Completed by: Joe Rud.   Date: 10/16/09

F042r02 Revised 9/8/2009

1095639

SGS

SAMPLE RECEIPT FORM - Bottle Tracking SGS WO#

#	Container ID	Matrix	Test	QC	TB	Container Volume: 1L	500mL	250mL or 8oz	125mL or 4oz	60mL	40mL	Other:	Container Type: AG	CG	HDPE	Nalgene	Coli	Septa	Other:	Preservative: None	HCl	HNO3	H2SO4	NaOH	Ascorbic Acid	NH_4Cl	Other:	*Notes
4-8	A-C	1	GRO								12		✓					✓			✓							
	D-F	1	VOC								12		✓					✓			✓							
	G	1	Diss Pb					4							✓							✓						
	HI	1	DRO			8							✓								✓							
	JK	↓	PAH			8							✓							✓								
9	A	1	GRO		✓						1		✓					✓			✓							
	RC	1	VOC		✓						2		✓					✓			✓							
Bottle Totals						16		4			27																	

* Note: Containers which require (additional) chemical preservation upon receipt must be documented per SOP#106

Completed by: Joe Rudi Date: 10/16/09

F042r02 Revised 9/8/2009

SGS

Samples/Analyses Affected by Non-compl 1095639

Total # of Coolers in this WO#: 5 SGS WO#: _

Cooler # or ID: #1 TB (°C): 4.1 C (°C): 4.3
Samples/Analyses Affected:
(5)(6) H-K

Cooler # or ID: #2 TB (°C): 2.0 C (°C): 3.1
Samples/Analyses Affected:
(1)-(8) A-G (9) A-C

Cooler # or ID: #3 TB (°C): 3.7 C (°C): 4.0
Samples/Analyses Affected:
(1) I (2) H-J (3) H-K

Cooler # or ID: #4 TB (°C): 2.3 C (°C): 2.5
Samples/Analyses Affected:
(4)(7) H-K

Cooler # or ID: #5 TB (°C): / C (°C): 1.5
Samples/Analyses Affected:
(1) H, JK (2) K, (8) H-K

Note:

Completed by: Joe Rudi Date: 10/16/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ Date/Time: 10/15/09

SGS Environmental **CUSTODY SEAL**

Signature: ______________ 1095639 ie: 10/15/09

FedEx Express **US Airbill** 8709 5110 7630

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 10-15-09 Sender's FedEx Account Number

Sender's Name [illegible] Phone [illegible]

Company

Address [illegible] Dept./Floor/Suite/Room

City [illegible] State [illegible] ZIP [illegible]

2 Your Internal Billing Reference

3 To

Recipient's Name Phone 907 562 2343

Company US Environmental 1 ☐ HOLD Weekday Print FedEx location address below. NOT available for FedEx First Overnight. 31 ☐ HOLD Saturday Print FedEx location address below. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address 200 W. Potter Dr.
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address
Print FedEx location address here if a HOLD option is selected

City Anchorage State AK ZIP [illegible]

8709 5110 7630

4a Express Package Service * To most locations. *Packages up to 150 lbs.*

1 ☐ FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
5 ☒ FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.
6 ☐ FedEx First Overnight Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 ☐ Fe... Se... sh... un...

1095639

4b E... *Packages over 150 lbs.*

7 ☐ Fr... Ne... be... Or...

8 ☐ F... Sec... on Monday unless SATURDAY Delivery is selected. ...y Freight ... thru business day.** Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

6 ☐ FedEx Envelope* 2 ☐ FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 ☐ FedEx Box 4 ☐ FedEx Tube 1 ☒ Other

6 Special Handling and Delivery Signature Options

3 ☐ **SATURDAY DELIVERY**

☐ No Signature Required Package may be left without obtaining a signature for delivery.
10 ☐ Direct Signature Someone at recipient's address may sign for delivery. *Fee applies.*
34 ☐ Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?
One box must be checked.

☒ No 4 ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. 6 ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Obtain Recip. Acct. No. ☐

Enter FedEx Acct. No. or Credit Card No. below.

1 ☐ Sender Acct. No. in Section 1 will be billed. 2 ☒ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

[redacted]

Total Packages 5 Total Weight 294 lbs. [redacted] Credit Card Auth.

[1] Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

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