Project Manager: Susan Fisher **Org:** SUPR/ERNB **Phone:** 913-551-7919

Project ID: SFA72Q **QAPP Number:** 2012281

Project Desc: Atlantic GW - Removal Assessment sampling

Location: Atlantic **State:** Iowa **Program:** Superfund

Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

GPRA PRC: 303DC6

Purpose: Site Cleanup Support

GW and soil confirmation samples for MIP investigation to identify sources and quantity the extent of PCP contamination.

Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of sample for quality control purpose.

__ = Field Sample
FB = Field Blank

Units: Specific units in which results are reported.

ug/kg = Micrograms per Kilogram
ug/L = Micrograms per Liter
mg/L = Milligrams per Liter

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.
UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.
J = The identification of the analyte is acceptable; the reported value is an estimate.
U = The analyte was not detected at or above the reporting limit.

A72Q 40479951 1.0

Superfund

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ASR Number: 5905 **Sample Information Summary** **11/08/2012**

Project ID: SFA72Q **Project Desc:** Atlantic GW - Removal Assessment sampling

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 -	__	Solid	MIP-15 (24-26')		10/03/2012	15:30			10/05/2012
2 -	__	Solid	MIP-1 (27-28')		10/04/2012	08:50			10/05/2012
3 -	__	Solid	MIP-2 (25-26')		10/04/2012	10:30			10/05/2012
4 -	__	Solid	MIP-3 (27-28')		10/04/2012	09:45			10/05/2012
5 -	__	Solid	MIP-5 (24-25')		10/04/2012	11:30			10/05/2012
6 -	__	Solid	MIP-6 (27-28')		10/04/2012	13:00			10/05/2012
7 -	__	Solid	MIP-7 (24-25')		10/04/2012	13:50			10/05/2012
8 -	__	Solid	MIP-8 (15-16')		10/04/2012	15:00			10/09/2012
9 -	__	Solid	MIP-4 (15-16)		10/04/2012	15:35			10/09/2012
10 -	__	Solid	MIP-8 (18-20')		10/04/2012	16:10			10/09/2012
101 -	__	Water	TW-1		10/03/2012	18:15			10/04/2012
102 -	__	Water	TW-2		10/03/2012	10:30			10/04/2012
103 -	__	Water	TW-3		10/03/2012	16:15			10/05/2012
104 -	__	Water	TW-4		10/03/2012	16:45			10/05/2012
105 -	__	Water	TW-5		10/03/2012	17:20			10/05/2012
106 -	__	Water	TW-6		10/03/2012	17:55			10/05/2012
107 -	__	Water	TW-7		10/03/2012	18:25			10/05/2012
108 -	__	Water	TW-8		10/04/2012	17:00			10/09/2012
109 -	__	Water	TW-9		10/04/2012	17:50			10/09/2012
110 -	__	Water	City Piezometer		10/04/2012	18:35			10/09/2012
111 -	__	Water	TW-10		10/05/2012	08:10			10/09/2012
112 -	__	Water	TW-11		10/05/2012	08:40			10/09/2012
113 -	FB	Water	LDL VOA Trip Blank sample		10/04/2012	15:15			10/09/2012
114 -	__	Water	TW-12		10/05/2012	09:25			10/09/2012
115 -	__	Water	AMU-6		10/05/2012	08:18			10/09/2012
116 -	__	Water	AMU-10		10/05/2012	08:30			10/09/2012
117 -	__	Water	AMU-11		10/05/2012	09:32			10/09/2012
118 -	__	Water	Rinsate		10/05/2012	09:40			10/09/2012
201 -	__	Solid	MIP-7 (24-25')		10/04/2012	13:55			10/05/2012
202 -	__	Solid	MIP-2 (25-26')		10/04/2012	10:35			10/05/2012

Analysis **Comments About Results For This Analysis**

1 TCLP VOCs in Soil by GC/MS

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: N/A

Samples: 201-__ 202-__

Comments:
Sample -201 was reported at a dilution (20X) with no undiluted analyses reported, therefore, it has elevated detection limits.

1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Basis: Dry

Samples: 1-__ 2-__ 3-__ 4-__ 5-__ 6-__ 7-__
8-__ 9-__ 10-__

Comments:
Dilutions were necessary because of high levels of tetrachloroethene in samples -2, -3, -5, -6, -7, -8, and -10 for this analysis, therefore, these samples were analyzed at medium level outside holding times (6-7 days) and reported with elevated detection limits. Since the low level analyses were not reported for these samples which may have had positive results and analyzed outside holding times, all non-detect results were UJ-coded and positive results were J-coded as estimated results in these samples.

Tetrachloroethene in samples -4 and -9 were above the calibration range and either diluted out or not diluted and reanalyzed, therefore, tetrachloroethene in sampes -4 and -9 was J-coded as estimated results.

Bromomethane and bromoform were UJ-coded in samples -1, -4, and -9. These analytes were not found in the samples at or above the reporting limits, however, the reporting limits are an estimate (UJ-coded) due to the initial instrument calibration curve not meeting linearity specifications (%RSD: bromomethane (29.4%) and bromoform (20.6%) vs 20%. The actual reporting limits may be higher than the reported values.

1 VOCs in Water by GC/MS for Low Detection Limits

Lab: Contract Lab Program (Out-Source)

Method: CLP Statement of Work

Samples: 101-__ 102-__ 103-__ 104-__ 105-__ 106-__ 107-__
108-__ 109-__ 110-__ 111-__ 112-__ 113-FB 114-__
115-__ 116-__ 117-__ 118-__

Comments:
Benzene, cyclohexane, methylcyclohexane, 1,2-dichloropropane, bromodichloromethane, chlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2,3-

Analysis	Comments About Results For This Analysis
	trichlorobenzene, and 1,2,4-trichlorobenzene were UJ-coded in sample -101. These analytes were not found in the sample at or above the reporting limits, however, the reporting limits are an estimate (UJ-coded) due to low recoveries of the surrogate analytes (benzene-d6: 76% vs 77-124%, 1,2-dichloropropane-d6: 67% vs 79-124%, and 1,2-dichlorobenzene-d4: 78% vs 80-131%). The actual reporting limits for these analytes may be higher than the reported values.

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	13 U	1600 UJ	790 UJ	13
Benzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Bromochloromethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Bromodichloromethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Bromoform	ug/kg	6.4 UJ	790 UJ	390 UJ	4.6 UJ
Bromomethane	ug/kg	6.4 UJ	790 UJ	390 UJ	4.6 UJ
2-Butanone	ug/kg	13 U	1600 UJ	790 UJ	9.1 U
Carbon Disulfide	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Carbon Tetrachloride	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Chlorobenzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Chloroethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Chloroform	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Chloromethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Cyclohexane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,2-Dibromo-3-Chloropropane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Dibromochloromethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,2-Dibromoethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,2-Dichlorobenzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,3-Dichlorobenzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,4-Dichlorobenzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Dichlorodifluoromethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,1-Dichloroethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,2-Dichloroethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,1-Dichloroethene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
cis-1,2-Dichloroethene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
trans-1,2-Dichloroethene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,2-Dichloropropane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
cis-1,3-Dichloropropene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
trans-1,3-Dichloropropene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Ethyl Benzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
2-Hexanone	ug/kg	13 U	1600 UJ	790 UJ	9.1 U
Isopropylbenzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Methyl Acetate	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Methyl tert-butyl ether	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Methylcyclohexane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Methylene Chloride	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
4-Methyl-2-Pentanone	ug/kg	13 U	1600 UJ	790 UJ	9.1 U
Styrene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,1,2,2-Tetrachloroethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Tetrachloroethene	ug/kg	6.4 U	26000 J	3400 J	670 J
Toluene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,2,3-Trichlorobenzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,2,4-Trichlorobenzene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,1,1-Trichloroethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,1,2-Trichloroethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
Trichloroethene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Trichlorofluoromethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
1,1,2-Trichlorotrifluoroethane	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
Vinyl Chloride	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
m and/or p-Xylene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U
o-Xylene	ug/kg	6.4 U	790 UJ	390 UJ	4.6 U

Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	810 UJ	760 UJ	760000 UJ	750 UJ
Benzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Bromochloromethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Bromodichloromethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Bromoform	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Bromomethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
2-Butanone	ug/kg	810 UJ	760 UJ	760000 UJ	750 UJ
Carbon Disulfide	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Carbon Tetrachloride	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Chlorobenzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Chloroethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Chloroform	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Chloromethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Cyclohexane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,2-Dibromo-3-Chloropropane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Dibromochloromethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,2-Dibromoethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,2-Dichlorobenzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,3-Dichlorobenzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,4-Dichlorobenzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Dichlorodifluoromethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,1-Dichloroethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,2-Dichloroethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,1-Dichloroethene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
cis-1,2-Dichloroethene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
trans-1,2-Dichloroethene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,2-Dichloropropane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
cis-1,3-Dichloropropene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
trans-1,3-Dichloropropene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Ethyl Benzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
2-Hexanone	ug/kg	810 UJ	760 UJ	760000 UJ	750 UJ
Isopropylbenzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Methyl Acetate	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Methyl tert-butyl ether	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Methylcyclohexane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Methylene Chloride	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
4-Methyl-2-Pentanone	ug/kg	810 UJ	760 UJ	760000 UJ	750 UJ
Styrene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,1,2,2-Tetrachloroethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Tetrachloroethene	ug/kg	1200 J	8100 J	3400000 J	440 J
Toluene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,2,3-Trichlorobenzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,2,4-Trichlorobenzene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,1,1-Trichloroethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,1,2-Trichloroethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ

Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
Trichloroethene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Trichlorofluoromethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
1,1,2-Trichlorotrifluoroethane	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
Vinyl Chloride	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
m and/or p-Xylene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ
o-Xylene	ug/kg	410 UJ	380 UJ	380000 UJ	370 UJ

Analysis/ Analyte	Units	9-__	10-__	101-__	102-__
1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap					
Acetone	ug/kg	60	730 UJ		
Benzene	ug/kg	6.8 U	360 UJ		
Bromochloromethane	ug/kg	6.8 U	360 UJ		
Bromodichloromethane	ug/kg	6.8 U	360 UJ		
Bromoform	ug/kg	6.8 UJ	360 UJ		
Bromomethane	ug/kg	6.8 UJ	360 UJ		
2-Butanone	ug/kg	14 U	730 UJ		
Carbon Disulfide	ug/kg	6.8 U	360 UJ		
Carbon Tetrachloride	ug/kg	6.8 U	360 UJ		
Chlorobenzene	ug/kg	6.8 U	360 UJ		
Chloroethane	ug/kg	6.8 U	360 UJ		
Chloroform	ug/kg	6.8 U	360 UJ		
Chloromethane	ug/kg	6.8 U	360 UJ		
Cyclohexane	ug/kg	6.8 U	360 UJ		
1,2-Dibromo-3-Chloropropane	ug/kg	6.8 U	360 UJ		
Dibromochloromethane	ug/kg	6.8 U	360 UJ		
1,2-Dibromoethane	ug/kg	6.8 U	360 UJ		
1,2-Dichlorobenzene	ug/kg	6.8 U	360 UJ		
1,3-Dichlorobenzene	ug/kg	6.8 U	360 UJ		
1,4-Dichlorobenzene	ug/kg	6.8 U	360 UJ		
Dichlorodifluoromethane	ug/kg	6.8 U	360 UJ		
1,1-Dichloroethane	ug/kg	6.8 U	360 UJ		
1,2-Dichloroethane	ug/kg	6.8 U	360 UJ		
1,1-Dichloroethene	ug/kg	6.8 U	360 UJ		
cis-1,2-Dichloroethene	ug/kg	6.8 U	360 UJ		
trans-1,2-Dichloroethene	ug/kg	6.8 U	360 UJ		
1,2-Dichloropropane	ug/kg	6.8 U	360 UJ		
cis-1,3-Dichloropropene	ug/kg	6.8 U	360 UJ		
trans-1,3-Dichloropropene	ug/kg	6.8 U	360 UJ		
Ethyl Benzene	ug/kg	6.8 U	360 UJ		
2-Hexanone	ug/kg	14 U	730 UJ		
Isopropylbenzene	ug/kg	6.8 U	360 UJ		
Methyl Acetate	ug/kg	6.8 U	360 UJ		
Methyl tert-butyl ether	ug/kg	6.8 U	360 UJ		
Methylcyclohexane	ug/kg	6.8 U	360 UJ		
Methylene Chloride	ug/kg	6.8 U	360 UJ		
4-Methyl-2-Pentanone	ug/kg	14 U	730 UJ		
Styrene	ug/kg	6.8 U	360 UJ		
1,1,2,2-Tetrachloroethane	ug/kg	6.8 U	360 UJ		
Tetrachloroethene	ug/kg	240 J	1400 J		
Toluene	ug/kg	6.8 U	360 UJ		
1,2,3-Trichlorobenzene	ug/kg	6.8 U	360 UJ		
1,2,4-Trichlorobenzene	ug/kg	6.8 U	360 UJ		
1,1,1-Trichloroethane	ug/kg	6.8 U	360 UJ		
1,1,2-Trichloroethane	ug/kg	6.8 U	360 UJ		

Analysis/ Analyte	Units	9-__	10-__	101-__	102-__
Trichloroethene	ug/kg	6.8 U	360 UJ		
Trichlorofluoromethane	ug/kg	6.8 U	360 UJ		
1,1,2-Trichlorotrifluoroethane	ug/kg	6.8 U	360 UJ		
Vinyl Chloride	ug/kg	6.8 U	360 UJ		
m and/or p-Xylene	ug/kg	6.8 U	360 UJ		
o-Xylene	ug/kg	6.8 U	360 UJ		
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L			5.0 U	5.0 U
Benzene	ug/L			0.50 UJ	0.50 U
Bromochloromethane	ug/L			0.50 U	0.50 U
Bromodichloromethane	ug/L			0.50 UJ	0.50 U
Bromoform	ug/L			0.50 U	0.50 U
Bromomethane	ug/L			0.50 U	0.50 U
2-Butanone	ug/L			5.0 U	5.0 U
Carbon Disulfide	ug/L			0.50 U	0.50 U
Carbon Tetrachloride	ug/L			0.50 U	0.50 U
Chlorobenzene	ug/L			0.50 UJ	0.50 U
Chloroethane	ug/L			0.50 U	0.50 U
Chloroform	ug/L			0.50 U	0.50 U
Chloromethane	ug/L			0.50 U	0.50 U
Cyclohexane	ug/L			0.50 UJ	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L			0.50 U	0.50 U
Dibromochloromethane	ug/L			0.50 U	0.50 U
1,2-Dibromoethane	ug/L			0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L			0.50 UJ	0.50 U
1,3-Dichlorobenzene	ug/L			0.50 UJ	0.50 U
1,4-Dichlorobenzene	ug/L			0.50 UJ	0.50 U
Dichlorodifluoromethane	ug/L			0.50 U	0.50 U
1,1-Dichloroethane	ug/L			0.50 U	0.50 U
1,2-Dichloroethane	ug/L			0.50 U	0.50 U
1,1-Dichloroethene	ug/L			0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L			0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L			0.50 U	0.50 U
1,2-Dichloropropane	ug/L			0.50 UJ	0.50 U
cis-1,3-Dichloropropene	ug/L			0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L			0.50 U	0.50 U
Ethyl Benzene	ug/L			0.50 U	0.50 U
2-Hexanone	ug/L			5.0 U	5.0 U
Isopropylbenzene	ug/L			0.50 U	0.50 U
Methyl Acetate	ug/L			0.50 U	0.50 U
Methyl tert-butyl ether	ug/L			0.50 U	0.50 U
Methylcyclohexane	ug/L			0.50 UJ	0.50 U
Methylene Chloride	ug/L			0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L			5.0 U	5.0 U
Styrene	ug/L			0.50 U	0.50 U

Analysis/ Analyte	Units	9-__	10-__	101-__	102-__
1,1,2,2-Tetrachloroethane	ug/L			0.50 U	0.50 U
Tetrachloroethene	ug/L			0.50 U	7.1
Toluene	ug/L			2.6	1.3
1,2,3-Trichlorobenzene	ug/L			0.50 UJ	0.50 U
1,2,4-Trichlorobenzene	ug/L			0.50 UJ	0.50 U
1,1,1-Trichloroethane	ug/L			0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L			0.50 U	0.50 U
Trichloroethene	ug/L			0.50 U	0.50 U
Trichlorofluoromethane	ug/L			0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L			0.50 U	0.50 U
Vinyl Chloride	ug/L			0.50 U	0.50 U
m and/or p-Xylene	ug/L			1.4	0.67
o-Xylene	ug/L			0.62	0.50 U

Analysis/ Analyte	Units	103-__	104-__	105-__	106-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	6.2	5.0 U	5.0 U	6.1
Benzene	ug/L	0.64	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.71	0.61	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	1.2	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U	1.1
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.64	0.71
Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.80	77	0.50 U	0.50 U
Toluene	ug/L	2.7	1.1	0.85	0.63
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	103-__	104-__	105-__	106-__
Trichloroethene	ug/L	0.50 U	0.51	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	4.2	0.57	0.55	0.50 U
o-Xylene	ug/L	2.2	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	107-__	108-__	109-__	110-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	ug/L	0.61	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.55
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	1.9	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	1.5	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	2.2	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U	1.2	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	13	0.50 U	0.50 U
Toluene	ug/L	3.2	2.5	1.1	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	107-__	108-__	109-__	110-__
Trichloroethene	ug/L	0.50 U	3.3	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	1.6	1.3	0.50 U	0.50 U
o-Xylene	ug/L	0.61	0.50 U	0.50 U	0.50 U

ASR Number: 5905 **RLAB Approved Sample Analysis Results** **11/08/2012**

Project ID: SFA72Q **Project Desc:** Atlantic GW - Removal Assessment sampling

Analysis/ Analyte	Units	111-__	112-__	113-FB	114-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	1.4	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	1.8
Toluene	ug/L	0.60	0.98	0.50 U	0.69
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	111-__	112-__	113-FB	114-__
Trichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	115-__	116-__	117-__	118-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	5.0 U	5.0 U	5.0 U	10
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	0.50 U	1.2
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	15	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	115-__	116-__	117-__	118-__
Trichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

ASR Number: 5905 **RLAB Approved Sample Analysis Results** **11/08/2012**

Project ID: SFA72Q **Project Desc:** Atlantic GW - Removal Assessment sampling

Analysis/ Analyte	Units	201-__	202-__
1 TCLP VOCs in Soil by GC/MS			
Benzene	mg/L	100 U	5.0 U
2-Butanone	mg/L	200 U	10 U
Carbon Tetrachloride	mg/L	100 U	5.0 U
Chlorobenzene	mg/L	100 U	5.0 U
Chloroform	mg/L	100 U	5.0 U
1,2-Dichloroethane	mg/L	100 U	5.0 U
1,1-Dichloroethene	mg/L	100 U	5.0 U
Tetrachloroethene	mg/L	2600	93
Trichloroethene	mg/L	100 U	5.0 U
Vinyl Chloride	mg/L	100 U	5.0 U

ASR- 5905

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Fisher Susan	Atlantic GW	02-03 / 10 / 12	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: CUBITAINER	BOTTLE	BOTTLE	4-oz BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
5905-101				3		X					Triplicate Volume
5905-102				1		X					
				have sediment in bottom of vials. 10/4/12							
											EPA(LS) delivered samples @ 4° 10/4/12

Quin 10-3-12 Compliance ASR Not

DESCRIPTION OF SHIPMENT

4 PIECE(S) CONSISTING OF ____ BOX(ES)

1 ICE CHEST(S); OTHER ____

MODE OF SHIPMENT

____ COMMERCIAL CARRIER: ____

X COURIER

X SAMPLER CONVEYED

____ (SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Quin [illegible] SEALED ☐ UNSEALED ☐	10-2-12	14:15	LPL SEALED ☐ UNSEALED ☒	Transport. 10/4/12
RELINQUISHED BY LPL SEALED ☐ UNSEALED ☒	DATE 10/4/12	TIME 0820	RECEIVED BY Nicole Roble 10/4/12 0820 SEALED ☐ UNSEALED ☒	REASON FOR CHANGE OF CUSTODY Analysis
RELINQUISHED BY SEALED ☐ UNSEALED ☐	DATE	TIME	RECEIVED BY SEALED ☐ UNSEALED ☐	REASON FOR CHANGE OF CUSTODY

7-EPA-9262(Revised 5/85)

*U.S. GPO: 2002-756-917/40053

ASR.5905

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Susan Fisher	Atlanta GW	03-04 10 12	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: 5035 CUBITAINER ~~1 L CUBITAINER~~	BOTTLE	BOTTLE	4-VOA BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
5905-1	~~8~~ 2 (1=7 + 1=4)						X				Triple Volume
-2	1										
-3	1										
-4	1										
-5	1										
-6	1										
-7	1	added @ 5pm 10/5									
-103				1		X					
-104				1							
-105				1							
-106				1							
-107				1							
-201					~~8~~ 1		X				~~(6 vials)~~ Triple Volume
-202					1		X				
											Clr. Temp. Read bet 0-10 on 10/5/12

ASR NOT complete
10-4-12

DESCRIPTION OF SHIPMENT

15 PIECE(S) CONSISTING OF _____ BOX(ES)

1 ICE CHEST(S): OTHER _____

MODE OF SHIPMENT

X COMMERCIAL CARRIER FedEx

___ COURIER

___ SAMPLER CONVEYED

(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD 10/5/12

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
[signature] SEALED ☐ UNSEALED ☐	10-4-12	1432	Nicole Robles SEALED ☐ UNSEALED ☐	[signature]
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
SEALED ☐ UNSEALED ☐			SEALED ☐ UNSEALED ☐	
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
SEALED ☐ UNSEALED ☐			SEALED ☐ UNSEALED ☐	

ASR - 5905

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII

ACTIVITY LEADER(Print)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION (DAY / MONTH / YEAR)	SHEET
Bugs Fisher	Atlanta GW	04-05 / 10 / 12	1 of 1

CONTENTS OF SHIPMENT

SAMPLE NUMBER	TYPE OF CONTAINERS: ~~5035 2 OUNCE CONTAINER~~	BOTTLE	BOTTLE	4-VOA BOTTLE	VOA SET (2 VIALS EA)	SAMPLED MEDIA: water	soil	sediment	dust	other	RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
5905-8	~~1~~			1			X				
-9	~~1~~			1			X				
-10	~~1~~			1			X				
-108				1		X					
-109				1		X					
-110				1		X					
-111				1		X					
-112				1		X					
-113FB				1		X					
-114				1		X					
-115				1		X					
-116				1		X					
-117				1		X					
-118FB				1		X					
Removed from FST Trip NO Separate Sample 10/9/12											
QC Or Separate Sample											
ASR COMPLETE											
10-9-12											
											Clr. Temp. Rec'd. ok. 0-1°C 10/9/12

DESCRIPTION OF SHIPMENT

14 PIECE(S) CONSISTING OF _____ BOX(ES)

1 ICE CHEST(S); OTHER _____

MODE OF SHIPMENT

___ COMMERCIAL CARRIER _____

___ COURIER

X SAMPLER CONVEYED

(SHIPPING DOCUMENT NUMBER)

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
Duane ☐ SEALED ☐ UNSEALED ☒	10/9/12	10:00	RD Wiggans ☐ SEALED ☐ UNSEALED ☒	Rec'd at lab
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY
RELINQUISHED BY ☐ SEALED ☐ UNSEALED	DATE	TIME	RECEIVED BY ☐ SEALED ☐ UNSEALED	REASON FOR CHANGE OF CUSTODY

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 1 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-1-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-15 - 24.26'

External Sample Number: _____

Expected Conc: (or Circle One: Low ~~Medium~~ ~~High~~) 06

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/3/12	15:30
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
11 4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

10/5/12

Collected From 24.26'

- PID = 0 ppm

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 2 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-2-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-1 - 27-28'

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 8:50

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

P.id = ~~250~~ 15 ppm

Collected From 27-28'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 3 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-3-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-2 - 25-26'

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 6/4/12 15:25

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

Collected from 25-26 ft

PID: 15 ppm

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 4 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-4-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-3- 27-28'

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/14/12	9:45
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

PID: 5 ppm

Collected From 27-28'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 5 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-5-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-5- 24-25'

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 11:30
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

PID: 5 ppm

Collected From 24-25' BGS

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 6 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-6-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-6 - 27-28'

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 13:00

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

PID = 5 ppm

Collected From 27 to 28' BGS.

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 7 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-7-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-7 - 24-25'

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 8:50
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

PID: 350 ppm

Collected from 24 to 25'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 8 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-8-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-8 - 15-16'

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 1520

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

PID: 100 ppb

collected from 15 to 16' BGS

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 9 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-9-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-4. 15-16

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 15:35

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

PID = 0 ppb

Collected from 15 to 16' BGS

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 10 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-10-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: MIP-9 - 18-20'

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 16:15

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vials (soil VOA 5035)	4 Deg C, H2O + sodium bisulfate (in 2 vials)	14 Days	1 VOC's in Soil at Low Levels by GC/MS Closed-System Purge-and-Trap

Sample Comments:

(N/A)

PID. 3 ppm

collected from 18-20' bgs

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 101 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-101-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: ~~Flow~~ TW-1

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/2/12 18:15

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
12 ~~4~~ - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Triple Volume

Screen Set 36-40' BGS - Temp Geoprobe well

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 102 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-102-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-2

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/3/12	10:30
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Geoprobe well
Set 41-45' BGS

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 103 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-103-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-3

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/3/12 16:15

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Geoprobe Well

Screen set 34-38'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 104 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-104-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-4

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/3/12	16:45
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Geoprobe well

Screen set 32-36'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 105 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-105-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-5

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/3/13	17:20
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Geoprobe well

Screen set 25-29'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 106 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-106-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-6

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/3/12	17:55
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Geoprobe well

Screen set 24-28' ft BGS

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 107 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-107-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-7

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/3/12	18:25
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Geoprobe well

Screen set 21-25'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 108 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-108-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-8

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 17:00
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Geoprobe Well

Screen Set 25.5' to 29.5'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 109 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-109-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-9

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 17:50

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Geoprobe well

Screen set 48-52' BGS

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 110 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-110-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: City Piezometer

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/4/12	18:35
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

1¼" Piezometer at City Water Plant - Garden

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 111 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-111-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-10

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/5/12 8:10
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Test Grafton well

Screen set 31-35'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 112 **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-112-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-11

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/5/12 8:40

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Gowsch well
Screen set 26-30

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 113 **QC Code:** FB **Matrix:** Water **Tag ID:** 5905-113-FB

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: LDL VOA Trip Blank sample

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 15:15

Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

EPA - provided trip blank

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

114 10/9/12

ASR Number: 5905 **Sample Number:** ~~112~~ **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-~~112~~-114

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TW-12

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/5/12	9:25
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Temp Grouper well

Screen set

21-25'

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

115 10/9/12

ASR Number: 5905 **Sample Number:** ~~112~~ **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-~~112~~ 115 __

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: AMW-6

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/5/12 8:18
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:
(N/A)

City Well #6

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

116 10/9/12 116 ~~113~~ 10-8-12

ASR Number: 5905 **Sample Number:** ~~112~~ **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-~~112~~-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: AMU-10

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/5/12	8:30
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

City Well #10

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

117 v 10/9/12

117

ASR Number: 5905 **Sample Number:** ~~112~~ **QC Code:** __ **Matrix:** Water **Tag ID:** 5905-~~112~~ 117

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: ~~AMU-6~~ AMU-11

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/5/12	~~8:16~~ 9:32
Longitude: ___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

City well #~~6~~ 11

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

118-FB

ASR Number: 5905 **Sample Number:** 112 **QC Code:** FB **Matrix:** Water **Tag ID:** 5905-112-FB

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

10/9/12

Location Desc: ~~Atlo 6~~ R. Water

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

		Date	Time(24 hr)
Latitude: ___ ___ ___	**Sample Collection: Start:**	10/5/12	~~8:16~~
Longitude: ___ ___ ___	**End:**	__/__/__	9:45

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
4 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

~~City well #6~~

Thru GW sampler w DI water

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 201 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-201-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TCLP VOA sample - MIP-7

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ___ ___ ___ **Sample Collection: Start:** 10/4/12 15:55
Longitude: ___ ___ ___ **End:** __/__/__ __:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
6 ~~2~~ - 40mL VOA vial	4 Deg C	14 Days	1 TCLP VOCs in Soil by GC/MS

Sample Comments:
(N/A)

- MIP. 7 - 24-25'

- Triple Volume

Sample Collected By: TT

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 5905 **Sample Number:** 202 **QC Code:** __ **Matrix:** Solid **Tag ID:** 5905-202-__

Project ID: SFA72Q **Project Manager:** Susan Fisher
Project Desc: Atlantic GW - Removal Assessment sampling
City: Atlantic **State:** Iowa
Program: Superfund
Site Name: ATLANTIC WATER SUPPLY - SITE EVALUATION/DISPOSITION **Site ID:** A72Q **Site OU:** 00

Location Desc: TCLP VOA sample - MIP-2

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High)

			Date	Time(24 hr)
Latitude:	___ ___ ___	**Sample Collection: Start:**	10/4/12	10:35
Longitude:	___ ___ ___	**End:**	__/__/__	__:__

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
2 - 40mL VOA vial	4 Deg C	14 Days	1 TCLP VOCs in Soil by GC/MS

Sample Comments:

(N/A)

MIP- 2 - From 25-26'

PID= ~~x~~ 15 ppm

Sample Collected By: TT