

# QC DATA ASSOCIATION SUMMARY

D8F050387

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SM18 2320 B		8168479	
	WATER	SM18 2320 B		8169170	
	WATER	MCAWW 300.0A		8158126	8164087
	WATER	MCAWW 300.0A		8158129	8164103
	WATER	MCAWW 300.0A		8158133	8164091
	WATER	MCAWW 300.0A		8158122	8164096
	WATER	MCAWW 300.0A		8158123	8164100
	WATER	MCAWW 300.0A		8158134	8164095
	WATER	MCAWW 300.0A		8158121	8164085
	WATER	SM18 2320 B		8168488	
	WATER	SM18 2510 B		8168374	8169119
	WATER	SM18 2540 C		8162499	8168315
	WATER	SM18 2320 B		8165482	8168097
	WATER	SW846 6020		8159091	8159067
	WATER	RSK SOP-175		8162376	
	WATER	SM18 4500-H B		8158496	
	WATER	SW846 8260B		8163537	8163325
	WATER	SW846 6010B		8159049	8159028
002	WATER	SM18 2320 B		8168479	
	WATER	SM18 2320 B		8169170	
	WATER	MCAWW 300.0A		8158126	8164087
	WATER	MCAWW 300.0A		8158129	8164103
	WATER	MCAWW 300.0A		8158133	8164091
	WATER	MCAWW 300.0A		8158122	8164096
	WATER	MCAWW 300.0A		8158123	8164100
	WATER	MCAWW 300.0A		8158134	8164095
	WATER	MCAWW 300.0A		8158121	8164085
	WATER	SM18 2320 B		8168488	
	WATER	SM18 2510 B		8168374	8169119
	WATER	SM18 2540 C		8162499	8168315
	WATER	SM18 2320 B		8165482	8168097
	WATER	SW846 6020		8159091	8159067
	WATER	RSK SOP-175		8162376	
	WATER	SM18 4500-H B		8158496	
	WATER	SW846 8260B		8163537	8163325
	WATER	SW846 6010B		8159049	8159028
003	WATER	SM18 2320 B		8168479	
	WATER	SM18 2320 B		8169170	
	WATER	MCAWW 300.0A		8158126	8164087
	WATER	MCAWW 300.0A		8158129	8164103
	WATER	MCAWW 300.0A		8158133	8164091

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<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
003	WATER	MCAWW 300.0A		8158122	8164096
	WATER	MCAWW 300.0A		8158123	8164100
	WATER	MCAWW 300.0A		8158134	8164095
	WATER	MCAWW 300.0A		8158121	8164085
	WATER	SM18 2320 B		8168488	
	WATER	SM18 2510 B		8168374	8169119
	WATER	SM18 2540 C		8162499	8168315
	WATER	SM18 2320 B		8165482	8168097
	WATER	SW846 6020		8159091	8159067
	WATER	RSK SOP-175		8162376	
	WATER	SM18 4500-H B		8158496	
	WATER	SW846 8260B		8163537	8163325
	WATER	SW846 6010B		8159049	8159028
004	WATER	SM18 2320 B		8168479	
	WATER	SM18 2320 B		8169170	
	WATER	MCAWW 300.0A		8158126	8164087
	WATER	MCAWW 300.0A		8158129	8164103
	WATER	MCAWW 300.0A		8158133	8164091
	WATER	MCAWW 300.0A		8158122	8164096
	WATER	MCAWW 300.0A		8158123	8164100
	WATER	MCAWW 300.0A		8158134	8164095
	WATER	MCAWW 300.0A		8158121	8164085
	WATER	SM18 2320 B		8168488	
	WATER	SM18 2510 B		8168374	8169119
	WATER	SM18 2540 C		8162499	8168315
	WATER	SM18 2320 B		8165482	8168097
	WATER	SW846 6020		8159091	8159067
	WATER	RSK SOP-175		8162376	
	WATER	SM18 4500-H B		8158496	
	WATER	SW846 8260B		8163537	8163325
	WATER	SW846 6010B		8159049	8159028
005	WATER	SM18 2320 B		8168479	
	WATER	SM18 2320 B		8169170	
	WATER	MCAWW 300.0A		8158126	8164087
	WATER	MCAWW 300.0A		8158129	8164103
	WATER	MCAWW 300.0A		8158133	8164091
	WATER	MCAWW 300.0A		8158122	8164096
	WATER	MCAWW 300.0A		8158123	8164100
	WATER	MCAWW 300.0A		8158134	8164095
	WATER	MCAWW 300.0A		8158121	8164085
	WATER	SM18 2320 B		8168488	

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# QC DATA ASSOCIATION SUMMARY

D8F050387

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
005	WATER	SM18 2510 B		8168374	8169119
	WATER	SM18 2540 C		8162499	8168315
	WATER	SM18 2320 B		8165482	8168097
	WATER	SW846 6020		8159091	8159067
	WATER	RSK SOP-175		8162376	
	WATER	SM18 4500-H B		8158496	
	WATER	SW846 8260B		8163537	8163325
	WATER	SW846 6010B		8159049	8159028
006	WATER	SM18 2320 B		8168479	
	WATER	SM18 2320 B		8169170	
	WATER	MCAWW 300.0A		8158126	8164087
	WATER	MCAWW 300.0A		8158129	8164103
	WATER	MCAWW 300.0A		8158133	8164091
	WATER	MCAWW 300.0A		8158122	8164096
	WATER	MCAWW 300.0A		8158123	8164100
	WATER	MCAWW 300.0A		8158134	8164095
	WATER	MCAWW 300.0A		8158121	8164085
	WATER	SM18 2320 B		8168488	
	WATER	SM18 2510 B		8168374	8169119
	WATER	SM18 2540 C		8162499	8168315
	WATER	SM18 2320 B		8165482	8168097
	WATER	SW846 6020		8159091	8159067
	WATER	RSK SOP-175		8162376	
	WATER	SM18 4500-H B		8158496	
	WATER	SW846 8260B		8163537	8163325
	WATER	SW846 6010B		8159049	8159028
007	WATER	SM18 2320 B		8168479	
	WATER	SM18 2320 B		8169170	
	WATER	MCAWW 300.0A		8169330	8169225
	WATER	MCAWW 300.0A		8168482	8168318
	WATER	MCAWW 300.0A		8168481	8168317
	WATER	MCAWW 300.0A		8158425	8164098
	WATER	MCAWW 300.0A		8158427	8164101
	WATER	MCAWW 300.0A		8168480	8168316
	WATER	MCAWW 300.0A		8158426	8164092
	WATER	SM18 2320 B		8168488	
	WATER	SM18 2510 B		8168374	8169119
	WATER	SM18 2540 C		8162499	8168315
	WATER	SM18 2320 B		8165482	8168097
	WATER	SW846 6020		8159091	8159067
	WATER	SM18 4500-H B		8162127	8165182

(Continued on next page)

## QC DATA ASSOCIATION SUMMARY

D8F050387

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
007	WATER	SW846 8270C		8161340	
	WATER	SW846 6010B		8159049	8159028
	WATER	SW846 8260B		8163537	8163325
008	SOLID	SW846 8015B		8168495	8168325
	SOLID	SW846 8015B		8166053	8166020
	SOLID	MCAWW 160.3 MOD		8168232	8168148

# METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #...: D8F050387  
 MB Lot-Sample #: D8F110000-537

Work Order #...: KPQ8J1AA

Matrix.....: WATER

Analysis Date...: 06/10/08  
 Dilution Factor: 1

Prep Date.....: 06/10/08

Analysis Time...: 22:04

Prep Batch #...: 8163537

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
Acetone	ND	1.0	ug/L	SW846	8260B
Benzene	ND	1.0	ug/L	SW846	8260B
Bromodichloromethane	ND	1.0	ug/L	SW846	8260B
Bromoform	ND	1.0	ug/L	SW846	8260B
Bromomethane	ND	2.0	ug/L	SW846	8260B
2-Butanone (MEK)	ND	6.0	ug/L	SW846	8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846	8260B
Chlorobenzene	ND	1.0	ug/L	SW846	8260B
Chloroethane	ND	2.0	ug/L	SW846	8260B
Chloroform	ND	1.0	ug/L	SW846	8260B
Chloromethane	ND	2.0	ug/L	SW846	8260B
Dibromomethane	ND	1.0	ug/L	SW846	8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846	8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846	8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846	8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846	8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846	8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846	8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846	8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846	8260B
1,2-Dichloroethene	ND	1.0	ug/L	SW846	8260B
(total)					
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846	8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846	8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846	8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846	8260B
trans-1,3-Dichloropropene	ND	3.0	ug/L	SW846	8260B
Ethylbenzene	ND	1.0	ug/L	SW846	8260B
2-Hexanone	ND	5.0	ug/L	SW846	8260B
Methylene chloride	ND	5.0	ug/L	SW846	8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846	8260B
Styrene	ND	1.0	ug/L	SW846	8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846	8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846	8260B
Tetrachloroethene	ND	1.0	ug/L	SW846	8260B
Toluene	ND	1.0	ug/L	SW846	8260B
1,2,4-Trichloro- benzene	ND	1.0	ug/L	SW846	8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846	8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846	8260B
Trichloroethene	ND	1.0	ug/L	SW846	8260B

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# METHOD BLANK REPORT

## GC/MS Volatiles

Client Lot #....: D8F050387

Work Order #....: KPQ8J1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	2.5	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
4-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Dibromofluoromethane	104	(79 - 119)
1,2-Dichloroethane-d4	95	(65 - 126)
4-Bromofluorobenzene	108	(75 - 115)
Toluene-d8	81	(78 - 118)

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #...: D8F050387      Work Order #...: KPQ8J1AC      Matrix.....: WATER  
 LCS Lot-Sample#: D8F110000-537  
 Prep Date.....: 06/10/08      Analysis Date...: 06/10/08  
 Prep Batch #...: 8163537      Analysis Time...: 21:32  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	103	(77 - 118)	SW846 8260B
Bromodichloromethane	99	(78 - 118)	SW846 8260B
Carbon tetrachloride	102	(80 - 120)	SW846 8260B
Chlorobenzene	89	(78 - 118)	SW846 8260B
Chloroform	104	(78 - 118)	SW846 8260B
1,3-Dichlorobenzene	99	(75 - 115)	SW846 8260B
1,1-Dichloroethane	104	(77 - 117)	SW846 8260B
1,1-Dichloroethene	101	(68 - 133)	SW846 8260B
trans-1,2-Dichloroethene	99	(80 - 120)	SW846 8260B
1,2-Dichloropropane	103	(76 - 116)	SW846 8260B
Ethylbenzene	104	(78 - 118)	SW846 8260B
Methylene chloride	106	(71 - 119)	SW846 8260B
Tetrachloroethene	93	(77 - 117)	SW846 8260B
Toluene	102	(73 - 120)	SW846 8260B
1,1,1-Trichloroethane	100	(78 - 118)	SW846 8260B
Trichloroethene	113	(78 - 122)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
4-Bromofluorobenzene	106	(75 - 115)
Toluene-d8	83	(78 - 118)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #...: D8F050387      Work Order #...: KPQ8J1AC      Matrix.....: WATER  
 LCS Lot-Sample#: D8F110000-537  
 Prep Date.....: 06/10/08      Analysis Date...: 06/10/08  
 Prep Batch #...: 8163537      Analysis Time...: 21:32  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	5.00	5.17	ug/L	103	SW846 8260B
Bromodichloromethane	5.00	4.97	ug/L	99	SW846 8260B
Carbon tetrachloride	5.00	5.12	ug/L	102	SW846 8260B
Chlorobenzene	5.00	4.47	ug/L	89	SW846 8260B
Chloroform	5.00	5.20	ug/L	104	SW846 8260B
1,3-Dichlorobenzene	5.00	4.97	ug/L	99	SW846 8260B
1,1-Dichloroethane	5.00	5.20	ug/L	104	SW846 8260B
1,1-Dichloroethene	5.00	5.06	ug/L	101	SW846 8260B
trans-1,2-Dichloroethene	5.00	4.95	ug/L	99	SW846 8260B
1,2-Dichloropropane	5.00	5.13	ug/L	103	SW846 8260B
Ethylbenzene	5.00	5.18	ug/L	104	SW846 8260B
Methylene chloride	5.00	5.31	ug/L	106	SW846 8260B
Tetrachloroethene	5.00	4.64	ug/L	93	SW846 8260B
Toluene	5.00	5.11	ug/L	102	SW846 8260B
1,1,1-Trichloroethane	5.00	5.00	ug/L	100	SW846 8260B
Trichloroethene	5.00	5.66	ug/L	113	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(79 - 119)
1,2-Dichloroethane-d4	97	(65 - 126)
4-Bromofluorobenzene	106	(75 - 115)
Toluene-d8	83	(78 - 118)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #....: D8F050387      Work Order #....: KN4791DG-MS      Matrix.....: WATER  
 MS Lot-Sample #: D8E300184-001      KN4791DH-MSD  
 Date Sampled....: 05/29/08 14:30      Date Received...: 05/30/08  
 Prep Date.....: 06/10/08      Analysis Date...: 06/10/08  
 Prep Batch #....: 8163537      Analysis Time...: 22:58  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	97	(77 - 118)			SW846 8260B
	105	(77 - 118)	7.4	(0-20)	SW846 8260B
Bromodichloromethane	88	(78 - 118)			SW846 8260B
	95	(78 - 118)	7.4	(0-20)	SW846 8260B
Carbon tetrachloride	95	(80 - 120)			SW846 8260B
	103	(80 - 120)	8.2	(0-21)	SW846 8260B
Chlorobenzene	87	(78 - 118)			SW846 8260B
	92	(78 - 118)	5.6	(0-20)	SW846 8260B
Chloroform	97	(78 - 118)			SW846 8260B
	104	(78 - 118)	7.0	(0-20)	SW846 8260B
1,3-Dichlorobenzene	89	(75 - 115)			SW846 8260B
	96	(75 - 115)	7.4	(0-20)	SW846 8260B
1,1-Dichloroethane	99	(77 - 117)			SW846 8260B
	106	(77 - 117)	6.5	(0-21)	SW846 8260B
1,1-Dichloroethene	95	(68 - 133)			SW846 8260B
	102	(68 - 133)	6.4	(0-20)	SW846 8260B
trans-1,2-Dichloroethene	94	(80 - 120)			SW846 8260B
	103	(80 - 120)	9.0	(0-24)	SW846 8260B
1,2-Dichloropropane	93	(76 - 116)			SW846 8260B
	103	(76 - 116)	11	(0-20)	SW846 8260B
Ethylbenzene	101	(78 - 118)			SW846 8260B
	108	(78 - 118)	6.1	(0-26)	SW846 8260B
Methylene chloride	90	(71 - 119)			SW846 8260B
	96	(71 - 119)	6.2	(0-20)	SW846 8260B
Tetrachloroethene	90	(77 - 117)			SW846 8260B
	92	(77 - 117)	2.7	(0-20)	SW846 8260B
Toluene	97	(73 - 120)			SW846 8260B
	102	(73 - 120)	5.7	(0-20)	SW846 8260B
1,1,1-Trichloroethane	99	(78 - 118)			SW846 8260B
	103	(78 - 118)	4.2	(0-20)	SW846 8260B
Trichloroethene	109	(78 - 122)			SW846 8260B
	115	(78 - 122)	4.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(79 - 119)
	99	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
	87	(65 - 126)

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# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC/MS Volatiles

Client Lot #...: D8F050387

Work Order #...: KN4791DG-MS

Matrix.....: WATER

MS Lot-Sample #: D8E300184-001

KN4791DH-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene	105	(75 - 115)
	107	(75 - 115)
Toluene-d8	85	(78 - 118)
	83	(78 - 118)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

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# MATRIX SPIKE SAMPLE DATA REPORT

## GC/MS Volatiles

Client Lot #...: D8F050387      Work Order #...: KN4791DG-MS      Matrix.....: WATER  
 MS Lot-Sample #: D8E300184-001      KN4791DH-MSD  
 Date Sampled...: 05/29/08 14:30      Date Received...: 05/30/08  
 Prep Date.....: 06/10/08      Analysis Date...: 06/10/08  
 Prep Batch #...: 8163537      Analysis Time...: 22:58  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	ND	5.00	4.85	ug/L	97		SW846 8260B
	ND	5.00	5.23	ug/L	105	7.4	SW846 8260B
Bromodichloromethane	ND	5.00	4.40	ug/L	88		SW846 8260B
	ND	5.00	4.74	ug/L	95	7.4	SW846 8260B
Carbon tetrachloride	ND	5.00	4.74	ug/L	95		SW846 8260B
	ND	5.00	5.14	ug/L	103	8.2	SW846 8260B
Chlorobenzene	ND	5.00	4.35	ug/L	87		SW846 8260B
	ND	5.00	4.60	ug/L	92	5.6	SW846 8260B
Chloroform	ND	5.00	4.86	ug/L	97		SW846 8260B
	ND	5.00	5.21	ug/L	104	7.0	SW846 8260B
1,3-Dichlorobenzene	ND	5.00	4.46	ug/L	89		SW846 8260B
	ND	5.00	4.80	ug/L	96	7.4	SW846 8260B
1,1-Dichloroethane	ND	5.00	4.96	ug/L	99		SW846 8260B
	ND	5.00	5.29	ug/L	106	6.5	SW846 8260B
1,1-Dichloroethene	ND	5.00	4.76	ug/L	95		SW846 8260B
	ND	5.00	5.08	ug/L	102	6.4	SW846 8260B
trans-1,2-Dichloroethene	ND	5.00	4.68	ug/L	94		SW846 8260B
	ND	5.00	5.13	ug/L	103	9.0	SW846 8260B
1,2-Dichloropropane	ND	5.00	4.64	ug/L	93		SW846 8260B
	ND	5.00	5.17	ug/L	103	11	SW846 8260B
Ethylbenzene	ND	5.00	5.06	ug/L	101		SW846 8260B
	ND	5.00	5.38	ug/L	108	6.1	SW846 8260B
Methylene chloride	ND	5.00	4.50	ug/L	90		SW846 8260B
	ND	5.00	4.79	ug/L	96	6.2	SW846 8260B
Tetrachloroethene	ND	5.00	4.48	ug/L	90		SW846 8260B
	ND	5.00	4.60	ug/L	92	2.7	SW846 8260B
Toluene	ND	5.00	4.84	ug/L	97		SW846 8260B
	ND	5.00	5.12	ug/L	102	5.7	SW846 8260B
1,1,1-Trichloroethane	ND	5.00	4.96	ug/L	99		SW846 8260B
	ND	5.00	5.17	ug/L	103	4.2	SW846 8260B
Trichloroethene	ND	5.00	5.46	ug/L	109		SW846 8260B
	ND	5.00	5.73	ug/L	115	4.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(79 - 119)
	99	(79 - 119)
1,2-Dichloroethane-d4	87	(65 - 126)
	87	(65 - 126)

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**MATRIX SPIKE SAMPLE DATA REPORT**

**GC/MS Volatiles**

**Client Lot #...:** D8F050387  
**MS Lot-Sample #:** D8E300184-001

**Work Order #...:** KN4791DG-MS  
KN4791DH-MSD

**Matrix.....:** WATER

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
4-Bromofluorobenzene	105	(75 - 115)
	107	(75 - 115)
Toluene-d8	85	(78 - 118)
	83	(78 - 118)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# METHOD BLANK REPORT

## GC/MS Semivolatiles

Client Lot #....: D8F050387  
MB Lot-Sample #: D8F090000-340

Work Order #....: KPLH11AA

Matrix.....: WATER

Analysis Date...: 06/18/08  
Dilution Factor: 1

Prep Date.....: 06/09/08

Analysis Time...: 19:56

Prep Batch #....: 8161340

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Benzidine	ND	100	ug/L	SW846 8270C
Acenaphthene	ND	4.0	ug/L	SW846 8270C
Acenaphthylene	ND	4.0	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
Anthracene	ND	4.0	ug/L	SW846 8270C
Benzo (a) anthracene	ND	4.0	ug/L	SW846 8270C
Benzo (b) fluoranthene	ND	4.0	ug/L	SW846 8270C
Benzo (k) fluoranthene	ND	4.0	ug/L	SW846 8270C
Benzo (ghi) perylene	ND	4.0	ug/L	SW846 8270C
Benzo (a) pyrene	ND	4.0	ug/L	SW846 8270C
bis (2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis (2-Chloroethyl) - ether	ND	10	ug/L	SW846 8270C
bis (2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	4.0	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	4.0	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	4.0	ug/L	SW846 8270C
Dibenz (a, h) anthracene	ND	4.0	ug/L	SW846 8270C
Dibenzofuran	ND	4.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	4.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	4.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	4.0	ug/L	SW846 8270C
4,6-Dinitro- 2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	30	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	4.0	ug/L	SW846 8270C
Fluoranthene	ND	4.0	ug/L	SW846 8270C

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# METHOD BLANK REPORT

## GC/MS Semivolatiles

Client Lot #...: D8F050387

Work Order #...: KPLH11AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
Fluorene	ND	4.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta- diene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	4.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	4.0	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	4.0	ug/L	SW846 8270C
2-Nitroaniline	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	10	ug/L	SW846 8270C
4-Nitroaniline	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenanthrene	ND	4.0	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro- phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro- phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroisopropyl) ether	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Caprolactam	ND	10	ug/L	SW846 8270C
Atrazine	ND	10	ug/L	SW846 8270C
Carbazole	ND	4.0	ug/L	SW846 8270C

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	69	(40 - 120)
Phenol-d5	71	(51 - 120)
Nitrobenzene-d5	68	(47 - 120)
2-Fluorobiphenyl	44	(42 - 120)
2,4,6-Tribromophenol	80	(47 - 120)
Terphenyl-d14	96	(30 - 127)

### NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

**LABORATORY CONTROL SAMPLE EVALUATION REPORT**

**GC/MS Semivolatiles**

Client Lot #....: D8F050387      Work Order #....: KPLH11AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D8F090000-340      KPLH11AD-LCSD  
 Prep Date.....: 06/09/08      Analysis Date...: 06/18/08  
 Prep Batch #....: 8161340      Analysis Time...: 16:32  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	65	(52 - 120)			SW846 8270C
	66	(52 - 120)	2.0	(0-30)	SW846 8270C
Anthracene	88	(56 - 120)			SW846 8270C
	87	(56 - 120)	0.40	(0-30)	SW846 8270C
1,4-Dichlorobenzene	41	(36 - 120)			SW846 8270C
	41	(36 - 120)	0.32	(0-44)	SW846 8270C
1,2,4-Trichloro- benzene	39	(39 - 120)			SW846 8270C
	40	(39 - 120)	4.2	(0-42)	SW846 8270C
4-Chloro-3-methylphenol	83	(57 - 120)			SW846 8270C
	79	(57 - 120)	5.8	(0-30)	SW846 8270C
2-Chlorophenol	78	(55 - 120)			SW846 8270C
	71	(55 - 120)	9.1	(0-30)	SW846 8270C
2,4-Dinitrotoluene	91	(54 - 120)			SW846 8270C
	89	(54 - 120)	2.8	(0-44)	SW846 8270C
2-Methylnaphthalene	57	(54 - 120)			SW846 8270C
	59	(54 - 120)	3.8	(0-32)	SW846 8270C
2-Methylphenol	77	(50 - 120)			SW846 8270C
	71	(50 - 120)	7.8	(0-30)	SW846 8270C
4-Nitrophenol	75	(48 - 120)			SW846 8270C
	76	(48 - 120)	2.1	(0-37)	SW846 8270C
N-Nitrosodi-n-propyl- amine	75	(52 - 120)			SW846 8270C
	74	(52 - 120)	2.1	(0-30)	SW846 8270C
Pentachlorophenol	76	(50 - 120)			SW846 8270C
	74	(50 - 120)	1.8	(0-30)	SW846 8270C
Phenol	79	(54 - 120)			SW846 8270C
	73	(54 - 120)	8.8	(0-34)	SW846 8270C
Pyrene	99	(52 - 120)			SW846 8270C
	98	(52 - 120)	1.2	(0-30)	SW846 8270C
2,4,6-Trichloro- phenol	80	(52 - 120)			SW846 8270C
	78	(52 - 120)	3.1	(0-30)	SW846 8270C
Carbazole	87	(48 - 120)			SW846 8270C
	88	(48 - 120)	0.53	(0-30)	SW846 8270C

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# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC/MS Semivolatiles

Client Lot #...: D8F050387      Work Order #...: KPLH11AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D8F090000-340      KPLH11AD-LCSD

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
2-Fluorophenol	78	(54 - 120)
	70	(54 - 120)
Phenol-d5	82	(56 - 120)
	75	(56 - 120)
Nitrobenzene-d5	76	(55 - 120)
	71	(55 - 120)
2-Fluorobiphenyl	57	(43 - 120)
	59	(43 - 120)
2,4,6-Tribromophenol	96	(53 - 120)
	91	(53 - 120)
Terphenyl-d14	106	(54 - 122)
	102	(54 - 122)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



# LABORATORY CONTROL SAMPLE DATA REPORT

## GC/MS Semivolatiles

Client Lot #...: D8F050387      Work Order #...: KPLH11AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D8F090000-340      KPLH11AD-LCSD  
 Prep Date.....: 06/09/08      Analysis Date...: 06/18/08  
 Prep Batch #...: 8161340      Analysis Time...: 16:32  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	64.6	ug/L	65		SW846 8270C
	100	65.9	ug/L	66	2.0	SW846 8270C
Anthracene	100	87.5	ug/L	88		SW846 8270C
	100	87.2	ug/L	87	0.40	SW846 8270C
1,4-Dichlorobenzene	100	40.5	ug/L	41		SW846 8270C
	100	40.7	ug/L	41	0.32	SW846 8270C
1,2,4-Trichloro- benzene	100	38.6	ug/L	39		SW846 8270C
	100	40.2	ug/L	40	4.2	SW846 8270C
4-Chloro-3-methylphenol	100	83.2	ug/L	83		SW846 8270C
	100	78.5	ug/L	79	5.8	SW846 8270C
2-Chlorophenol	100	77.9	ug/L	78		SW846 8270C
	100	71.1	ug/L	71	9.1	SW846 8270C
2,4-Dinitrotoluene	100	91.0	ug/L	91		SW846 8270C
	100	88.5	ug/L	89	2.8	SW846 8270C
2-Methylnaphthalene	100	56.6	ug/L	57		SW846 8270C
	100	58.9	ug/L	59	3.8	SW846 8270C
2-Methylphenol	100	76.8	ug/L	77		SW846 8270C
	100	71.1	ug/L	71	7.8	SW846 8270C
4-Nitrophenol	100	74.8	ug/L	75		SW846 8270C
	100	76.4	ug/L	76	2.1	SW846 8270C
N-Nitrosodi-n-propyl- amine	100	75.2	ug/L	75		SW846 8270C
	100	73.7	ug/L	74	2.1	SW846 8270C
Pentachlorophenol	100	75.7	ug/L	76		SW846 8270C
	100	74.3	ug/L	74	1.8	SW846 8270C
Phenol	100	79.3	ug/L	79		SW846 8270C
	100	72.7	ug/L	73	8.8	SW846 8270C
Pyrene	100	99.5	ug/L	99		SW846 8270C
	100	98.3	ug/L	98	1.2	SW846 8270C
2,4,6-Trichloro- phenol	100	80.4	ug/L	80		SW846 8270C
	100	78.0	ug/L	78	3.1	SW846 8270C
Carbazole	100	87.2	ug/L	87		SW846 8270C
	100	87.7	ug/L	88	0.53	SW846 8270C

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# LABORATORY CONTROL SAMPLE DATA REPORT

## GC/MS Semivolatiles

Client Lot #...: D8F050387      Work Order #...: KPLH11AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D8F090000-340      KPLH11AD-LCSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2-Fluorophenol	78	(54 - 120)
	70	(54 - 120)
Phenol-d5	82	(56 - 120)
	75	(56 - 120)
Nitrobenzene-d5	76	(55 - 120)
	71	(55 - 120)
2-Fluorobiphenyl	57	(43 - 120)
	59	(43 - 120)
2,4,6-Tribromophenol	96	(53 - 120)
	91	(53 - 120)
Terphenyl-d14	106	(54 - 122)
	102	(54 - 122)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

**METHOD BLANK REPORT**

**GC Volatiles**

Client Lot #...: D8F050387  
MB Lot-Sample #: D8F100000-376  
Analysis Date...: 06/10/08  
Dilution Factor: 1

Work Order #...: KPM561AA  
Prep Date.....: 06/10/08  
Prep Batch #...: 8162376

Matrix.....: WATER  
Analysis Time...: 10:06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methane	ND	5.0	ug/L	RSK SOP-175

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #...: D8F050387      Work Order #...: KPM561AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D8F100000-376      KPM561AD-LCSD  
 Prep Date.....: 06/10/08      Analysis Date...: 06/10/08  
 Prep Batch #...: 8162376      Analysis Time...: 09:58  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	89	(75 - 125)			RSK SOP-175
	85	(75 - 125)	5.1	(0-20)	RSK SOP-175
Ethene	86	(75 - 125)			RSK SOP-175
	83	(75 - 125)	3.4	(0-20)	RSK SOP-175
Acetylene	82	(75 - 125)			RSK SOP-175
	82	(75 - 125)	0.35	(0-20)	RSK SOP-175
Methane	92	(75 - 125)			RSK SOP-175
	87	(75 - 125)	5.4	(0-20)	RSK SOP-175

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC Volatiles

Client Lot #...: D8F050387      Work Order #...: KPM561AC-LCS      Matrix.....: WATER  
 LCS Lot-Sample#: D8F100000-376      KPM561AD-LCSD  
 Prep Date.....: 06/10/08      Analysis Date...: 06/10/08  
 Prep Batch #...: 8162376      Analysis Time...: 09:58  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	137	122	ug/L	89		RSK SOP-175
	137	116	ug/L	85	5.1	RSK SOP-175
Ethene	127	110	ug/L	86		RSK SOP-175
	127	106	ug/L	83	3.4	RSK SOP-175
Acetylene	118	97.1	ug/L	82		RSK SOP-175
	118	96.7	ug/L	82	0.35	RSK SOP-175
Methane	73.0	67.2	ug/L	92		RSK SOP-175
	73.0	63.6	ug/L	87	5.4	RSK SOP-175

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D8F050387  
MB Lot-Sample #: D8F140000-053

Work Order #...: KP0GV1AA

Matrix.....: SOLID

Analysis Date...: 06/13/08

Prep Date.....: 06/13/08

Analysis Time...: 13:00

Dilution Factor: 1

Prep Batch #...: 8166053

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Gasoline Range Organics	ND	1.2	mg/kg	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
a,a,a-Trifluorotoluene	89	(77 - 123)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D8F050387      Work Order #....: KP0GV1AC-LCS      Matrix.....: SOLID  
 LCS Lot-Sample#: D8F140000-053      KP0GV1AD-LCSD  
 Prep Date.....: 06/13/08      Analysis Date...: 06/13/08  
 Prep Batch #....: 8166053      Analysis Time...: 11:41  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
<b>Gasoline Range Organics</b>	<b>116</b>	<b>(85 - 153)</b>			<b>SW846 8015B</b>
	<b>117</b>	<b>(85 - 153)</b>	<b>0.63</b>	<b>(0-30)</b>	<b>SW846 8015B</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
a,a,a-Trifluorotoluene	90	(77 - 123)
	89	(77 - 123)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: D8F050387      Work Order #....: KP0GV1AC-LCS      Matrix.....: SOLID  
 LCS Lot-Sample#: D8F140000-053      KP0GV1AD-LCSD  
 Prep Date.....: 06/13/08      Analysis Date...: 06/13/08  
 Prep Batch #....: 8166053      Analysis Time...: 11:41  
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Gasoline Range Organics	5.50	6.38	mg/kg	116		SW846 8015B
	5.50	6.42	mg/kg	117	0.63	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a,a,a-Trifluorotoluene	90	(77 - 123)
	89	(77 - 123)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters



# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Volatiles

Client Lot #....: D8F050387      Work Order #....: KPGKT1AE-MS      Matrix.....: SOLID  
 MS Lot-Sample #: D8F050387-008      KPGKT1AF-MSD  
 Date Sampled....: 06/04/08 09:30      Date Received...: 06/05/08  
 Prep Date.....: 06/13/08      Analysis Date...: 06/13/08  
 Prep Batch #....: 8166053      Analysis Time...: 14:37  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Gasoline Range Organics	95	(85 - 153)			SW846 8015B
	94	(85 - 153)	0.63	(0-30)	SW846 8015B
SURROGATE		PERCENT RECOVERY		RECOVERY LIMITS	
a,a,a-Trifluorotoluene		78		(77 - 123)	
		78		(77 - 123)	

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

# MATRIX SPIKE SAMPLE DATA REPORT

## GC Volatiles

Client Lot #....: D8F050387      Work Order #....: KPGKT1AE-MS      Matrix.....: SOLID  
 MS Lot-Sample #: D8F050387-008      KPGKT1AF-MSD  
 Date Sampled....: 06/04/08 09:30      Date Received...: 06/05/08  
 Prep Date.....: 06/13/08      Analysis Date...: 06/13/08  
 Prep Batch #....: 8166053      Analysis Time...: 14:37  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Gasoline Range Organics	ND	7.58	7.86	mg/kg	95		SW846 8015B
	ND	7.58	7.81	mg/kg	94	0.63	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
a, a, a-Trifluorotoluene	78	(77 - 123)
	78	(77 - 123)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: D8F050387  
MB Lot-Sample #: D8F160000-495  
Analysis Date...: 06/18/08  
Dilution Factor: 1

Work Order #...: KP2J81AA  
Prep Date.....: 06/16/08  
Prep Batch #...: 8168495

Matrix.....: SOLID  
Analysis Time...: 14:59

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
Diesel Range Organics (C10-C28)	ND	4.0	mg/kg	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
o-Terphenyl	62	(45 - 115)

**NOTE(S) :**

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## GC Semivolatiles

Client Lot #....: D8F050387      Work Order #....: KP2J81AC      Matrix.....: SOLID  
 LCS Lot-Sample#: D8F160000-495  
 Prep Date.....: 06/16/08      Analysis Date...: 06/18/08  
 Prep Batch #....: 8168495      Analysis Time...: 15:28  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Diesel Range Organics (C10-C28)	71	(53 - 115)	SW846 8015B

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	61	(49 - 115)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# LABORATORY CONTROL SAMPLE DATA REPORT

## GC Semivolatiles

Client Lot #...: D8F050387      Work Order #...: KP2J81AC      Matrix.....: SOLID  
 LCS Lot-Sample#: D8F160000-495  
 Prep Date.....: 06/16/08      Analysis Date...: 06/18/08  
 Prep Batch #...: 8168495      Analysis Time...: 15:28  
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
<b>Diesel Range Organics</b> <b>(C10-C28)</b>	<b>66.0</b>	<b>46.8</b>	<b>mg/kg</b>	<b>71</b>	<b>SW846 8015B</b>

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
o-Terphenyl	61	(49 - 115)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## GC Semivolatiles

Client Lot #...: D8F050387      Work Order #...: KPGKT1AG-MS      Matrix.....: SOLID  
 MS Lot-Sample #: D8F050387-008      KPGKT1AH-MSD  
 Date Sampled...: 06/04/08 09:30      Date Received...: 06/05/08  
 Prep Date.....: 06/16/08      Analysis Date...: 06/18/08  
 Prep Batch #...: 8168495      Analysis Time...: 16:26  
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
<b>Diesel Range Organics</b> (C10-C28)	<b>67</b>	<b>(56 - 115)</b>			<b>SW846 8015B</b>
	<b>74</b>	<b>(56 - 115)</b>	<b>6.8</b>	<b>(0-23)</b>	<b>SW846 8015B</b>

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	60	(45 - 115)
	69	(45 - 115)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight.

# MATRIX SPIKE SAMPLE DATA REPORT

## GC Semivolatiles

Client Lot #...: D8F050387      Work Order #...: KPGKT1AG-MS      Matrix.....: SOLID  
 MS Lot-Sample #: D8F050387-008      KPGKT1AH-MSD  
 Date Sampled...: 06/04/08 09:30      Date Received...: 06/05/08  
 Prep Date.....: 06/16/08      Analysis Date...: 06/18/08  
 Prep Batch #...: 8168495      Analysis Time...: 16:26  
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
<b>Diesel Range Organics</b>	<b>29</b>	<b>94.7</b>	<b>93.1</b>	<b>mg/kg</b>	<b>67</b>		<b>SW846 8015B</b>
(C10-C28)	29	95.5	99.6	mg/kg	74	6.8	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	60	(45 - 115)
	69	(45 - 115)

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Bold print denotes control parameters  
 Results and reporting limits have been adjusted for dry weight.

# METHOD BLANK REPORT

## DISSOLVED Metals

Client Lot #...: D8F050387

Matrix.....: WATER

REPORTING				PREPARATION-	WORK	
PARAMETER	RESULT	LIMIT	UNITS	METHOD	ANALYSIS DATE	ORDER #
MB Lot-Sample #: D8F070000-049    Prep Batch #...: 8159049						
Calcium	ND	0.20	mg/L	SW846 6010B	06/11-06/12/08	KPJ541AG
		Dilution Factor: 1				
		Analysis Time...: 08:37				
Iron	ND	0.10	mg/L	SW846 6010B	06/11-06/12/08	KPJ541AL
		Dilution Factor: 1				
		Analysis Time...: 08:37				
Magnesium	ND	0.20	mg/L	SW846 6010B	06/11-06/12/08	KPJ541AP
		Dilution Factor: 1				
		Analysis Time...: 08:37				
Manganese	ND	0.010	mg/L	SW846 6010B	06/11-06/12/08	KPJ541AQ
		Dilution Factor: 1				
		Analysis Time...: 08:37				
Potassium	ND	3.0	mg/L	SW846 6010B	06/11-06/12/08	KPJ541AV
		Dilution Factor: 1				
		Analysis Time...: 08:37				
Sodium	ND	1.0	mg/L	SW846 6010B	06/11-06/12/08	KPJ541AX
		Dilution Factor: 1				
		Analysis Time...: 08:37				
MB Lot-Sample #: D8F070000-091    Prep Batch #...: 8159091						
Selenium	ND	0.0050	mg/L	SW846 6020	06/11-06/12/08	KPKJ81AA
		Dilution Factor: 1				
		Analysis Time...: 20:55				

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.



# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## DISSOLVED Metals

Client Lot #...: D8F050387

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>LCS Lot-Sample#:</b> D8F070000-049 <b>Prep Batch #...</b> : 8159049					
Calcium	97	(90 - 111)	SW846 6010B	06/11-06/12/08	KPJ541A8
		Dilution Factor: 1	Analysis Time...: 08:42		
Iron	98	(89 - 115)	SW846 6010B	06/11-06/12/08	KPJ541CD
		Dilution Factor: 1	Analysis Time...: 08:42		
Magnesium	94	(90 - 113)	SW846 6010B	06/11-06/12/08	KPJ541CG
		Dilution Factor: 1	Analysis Time...: 08:42		
Manganese	96	(90 - 110)	SW846 6010B	06/11-06/12/08	KPJ541CH
		Dilution Factor: 1	Analysis Time...: 08:42		
Potassium	100	(89 - 114)	SW846 6010B	06/11-06/12/08	KPJ541CM
		Dilution Factor: 1	Analysis Time...: 08:42		
Sodium	104	(90 - 115)	SW846 6010B	06/11-06/12/08	KPJ541CP
		Dilution Factor: 1	Analysis Time...: 08:42		
<b>LCS Lot-Sample#:</b> D8F070000-091 <b>Prep Batch #...</b> : 8159091					
Selenium	105	(77 - 122)	SW846 6020	06/11-06/12/08	KPKJ81AD
		Dilution Factor: 1	Analysis Time...: 21:00		

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE DATA REPORT

## DISSOLVED Metals

Client Lot #...: D8F050387

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
<b>LCS Lot-Sample#:</b> D8F070000-049 <b>Prep Batch #...</b> : 8159049							
Calcium	50.0	48.3	mg/L	97	SW846 6010B	06/11-06/12/08	KPJ541A8
			Dilution Factor: 1		Analysis Time...: 08:42		
Iron	1.00	0.984	mg/L	98	SW846 6010B	06/11-06/12/08	KPJ541CD
			Dilution Factor: 1		Analysis Time...: 08:42		
Magnesium	50.0	46.8	mg/L	94	SW846 6010B	06/11-06/12/08	KPJ541CG
			Dilution Factor: 1		Analysis Time...: 08:42		
Manganese	0.500	0.480	mg/L	96	SW846 6010B	06/11-06/12/08	KPJ541CH
			Dilution Factor: 1		Analysis Time...: 08:42		
Potassium	50.0	50.2	mg/L	100	SW846 6010B	06/11-06/12/08	KPJ541CM
			Dilution Factor: 1		Analysis Time...: 08:42		
Sodium	50.0	52.0	mg/L	104	SW846 6010B	06/11-06/12/08	KPJ541CP
			Dilution Factor: 1		Analysis Time...: 08:42		
<b>LCS Lot-Sample#:</b> D8F070000-091 <b>Prep Batch #...</b> : 8159091							
Selenium	0.0400	0.0420	mg/L	105	SW846 6020	06/11-06/12/08	KPKJ81AD
			Dilution Factor: 1		Analysis Time...: 21:00		

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## DISSOLVED Metals

Client Lot #...: D8F050387

Matrix.....: WATER

Date Sampled...: 06/04/08 12:08 Date Received...: 06/05/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D8F050202-001    Prep Batch #...: 8159049						
Calcium	95	(48 - 153)		SW846 6010B	06/11-06/12/08	KPE9C1C2
	95	(48 - 153) 0.10 (0-25)		SW846 6010B	06/11-06/12/08	KPE9C1C3
		Dilution Factor: 1				
		Analysis Time...: 10:38				
Iron	101	(52 - 155)		SW846 6010B	06/11-06/12/08	KPE9C1DA
	101	(52 - 155) 0.19 (0-25)		SW846 6010B	06/11-06/12/08	KPE9C1DC
		Dilution Factor: 1				
		Analysis Time...: 10:38				
Magnesium	93	(62 - 146)		SW846 6010B	06/11-06/12/08	KPE9C1DH
	93	(62 - 146) 0.26 (0-25)		SW846 6010B	06/11-06/12/08	KPE9C1DJ
		Dilution Factor: 1				
		Analysis Time...: 10:38				
Manganese	98	(79 - 121)		SW846 6010B	06/11-06/12/08	KPE9C1DK
	98	(79 - 121) 0.55 (0-25)		SW846 6010B	06/11-06/12/08	KPE9C1DL
		Dilution Factor: 1				
		Analysis Time...: 10:38				
Potassium	100	(76 - 132)		SW846 6010B	06/11-06/12/08	KPE9C1DU
	100	(76 - 132) 0.07 (0-25)		SW846 6010B	06/11-06/12/08	KPE9C1DV
		Dilution Factor: 1				
		Analysis Time...: 10:38				
Sodium	NC,MSB	(70 - 203)		SW846 6010B	06/11-06/12/08	KPE9C1D0
	NC,MSB	(70 - 203) (0-40)		SW846 6010B	06/11-06/12/08	KPE9C1D1
		Dilution Factor: 1				
		Analysis Time...: 10:38				
MS Lot-Sample #: D8F050202-001    Prep Batch #...: 8159091						
Selenium	101	(77 - 122)		SW846 6020	06/11-06/12/08	KPE9C1EA
	103	(77 - 122) 1.7 (0-20)		SW846 6020	06/11-06/12/08	KPE9C1EC
		Dilution Factor: 1				
		Analysis Time...: 21:58				

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

# MATRIX SPIKE SAMPLE DATA REPORT

## DISSOLVED Metals

Client Lot #....: D8F050387

Matrix.....: WATER

Date Sampled....: 06/04/08 12:08 Date Received...: 06/05/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVR	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
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MS Lot-Sample #: D8F050202-001 Prep Batch #....: 8159049

### Calcium

4.7	50.0	52.3	mg/L	95			SW846 6010B	06/11-06/12/08	KPE9C1C2
4.7	50.0	52.4	mg/L	95	0.10		SW846 6010B	06/11-06/12/08	KPE9C1C3
Dilution Factor: 1									
Analysis Time...: 10:38									

### Iron

ND	1.00	1.04	mg/L	101			SW846 6010B	06/11-06/12/08	KPE9C1DA
ND	1.00	1.05	mg/L	101	0.19		SW846 6010B	06/11-06/12/08	KPE9C1DC
Dilution Factor: 1									
Analysis Time...: 10:38									

### Magnesium

1.1	50.0	47.6	mg/L	93			SW846 6010B	06/11-06/12/08	KPE9C1DH
1.1	50.0	47.5	mg/L	93	0.26		SW846 6010B	06/11-06/12/08	KPE9C1DJ
Dilution Factor: 1									
Analysis Time...: 10:38									

### Manganese

0.036	0.500	0.527	mg/L	98			SW846 6010B	06/11-06/12/08	KPE9C1DK
0.036	0.500	0.524	mg/L	98	0.55		SW846 6010B	06/11-06/12/08	KPE9C1DL
Dilution Factor: 1									
Analysis Time...: 10:38									

### Potassium

ND	50.0	52.4	mg/L	100			SW846 6010B	06/11-06/12/08	KPE9C1DU
ND	50.0	52.4	mg/L	100	0.07		SW846 6010B	06/11-06/12/08	KPE9C1DV
Dilution Factor: 1									
Analysis Time...: 10:38									

### Sodium

310	50.0	370	mg/L				SW846 6010B	06/11-06/12/08	KPE9C1D0
Qualifiers: NC,MSB									
310	50.0	373	mg/L				SW846 6010B	06/11-06/12/08	KPE9C1D1
Qualifiers: NC,MSB									
Dilution Factor: 1									
Analysis Time...: 10:38									

MS Lot-Sample #: D8F050202-001 Prep Batch #....: 8159091

(Continued on next page)

# MATRIX SPIKE SAMPLE DATA REPORT

## DISSOLVED Metals

Client Lot #...: D8F050387

Matrix.....: WATER

Date Sampled...: 06/04/08 12:08 Date Received...: 06/05/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Selenium	ND	0.0400	0.0415	mg/L	101		SW846 6020	06/11-06/12/08	KPE9C1EA
	ND	0.0400	0.0422	mg/L	103	1.7	SW846 6020	06/11-06/12/08	KPE9C1EC

Dilution Factor: 1

Analysis Time...: 21:58

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D8F050387

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	ND	5.0	mg/L	SM18 2320 B	06/13/08	8168479
		Work Order #: KP23R1AA MB Lot-Sample #: D8F160000-479				
		Dilution Factor: 1				
		Analysis Time...: 16:00				
Bromide	ND	0.20	mg/L	MCAWW 300.0A	06/05/08	8158134
		Work Order #: KPRHN1AA MB Lot-Sample #: D8F060000-134				
		Dilution Factor: 1				
		Analysis Time...: 11:34				
Bromide	ND	0.20	mg/L	MCAWW 300.0A	06/05-06/06/08	8168480
		Work Order #: KP2JC1AA MB Lot-Sample #: D8F160000-480				
		Dilution Factor: 1				
		Analysis Time...: 12:46				
Carbonate Alkalinity	ND	5.0	mg/L	SM18 2320 B	06/13/08	8168488
		Work Order #: KP23H1AA MB Lot-Sample #: D8F160000-488				
		Dilution Factor: 1				
		Analysis Time...: 16:00				
Chloride	ND	3.0	mg/L	MCAWW 300.0A	06/05/08	8158126
		Work Order #: KPRHE1AA MB Lot-Sample #: D8F060000-126				
		Dilution Factor: 1				
		Analysis Time...: 11:34				
Chloride	ND	3.0	mg/L	MCAWW 300.0A	06/16/08	8169330
		Work Order #: KP34L1AA MB Lot-Sample #: D8F170000-330				
		Dilution Factor: 1				
		Analysis Time...: 12:41				
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	06/05/08	8158133
		Work Order #: KPRHJ1AA MB Lot-Sample #: D8F060000-133				
		Dilution Factor: 1				
		Analysis Time...: 11:34				
Fluoride	ND	0.50	mg/L	MCAWW 300.0A	06/05-06/06/08	8168481
		Work Order #: KP2JD1AA MB Lot-Sample #: D8F160000-481				
		Dilution Factor: 1				
		Analysis Time...: 12:46				
Hydroxide, as CaCO3	ND	5.0	mg/L	SM18 2320 B	06/13/08	8169170
		Work Order #: KP2251AA MB Lot-Sample #: D8F170000-170				
		Dilution Factor: 1				
		Analysis Time...: 16:00				

(Continued on next page)

# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D8F050387

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate	ND	Work Order #: KPRHP1AA 0.50 Dilution Factor: 1 Analysis Time...: 11:34	mg/L	MB Lot-Sample #: D8F060000-122 MCAWW 300.0A	06/05/08	8158122
Nitrate	ND	Work Order #: KPRHT1AA 0.50 Dilution Factor: 1 Analysis Time...: 12:46	mg/L	MB Lot-Sample #: D8F060000-425 MCAWW 300.0A	06/05-06/06/08	8158425
Nitrite	ND	Work Order #: KPRG41AA 0.50 Dilution Factor: 1 Analysis Time...: 11:34	mg/L	MB Lot-Sample #: D8F060000-121 MCAWW 300.0A	06/05/08	8158121
Nitrite	ND	Work Order #: KPRHK1AA 0.50 Dilution Factor: 1 Analysis Time...: 12:46	mg/L	MB Lot-Sample #: D8F060000-426 MCAWW 300.0A	06/05-06/06/08	8158426
Phosphate as P, Ortho	ND	Work Order #: KPRH01AA 0.50 Dilution Factor: 1 Analysis Time...: 11:34	mg/L	MB Lot-Sample #: D8F060000-123 MCAWW 300.0A	06/05/08	8158123
Phosphate as P, Ortho	ND	Work Order #: KPRH21AA 0.50 Dilution Factor: 1 Analysis Time...: 12:46	mg/L	MB Lot-Sample #: D8F060000-427 MCAWW 300.0A	06/05-06/06/08	8158427
Specific Conductance	ND	Work Order #: KP3LC1AA 2.0 Dilution Factor: 1 Analysis Time...: 18:30	umhos/cm	MB Lot-Sample #: D8F160000-374 SM18 2510 B	06/13/08	8168374
Sulfate	ND	Work Order #: KPRH51AA 5.0 Dilution Factor: 1 Analysis Time...: 11:34	mg/L	MB Lot-Sample #: D8F060000-129 MCAWW 300.0A	06/05/08	8158129
Sulfate	ND	Work Order #: KP2JF1AA 5.0 Dilution Factor: 1 Analysis Time...: 12:46	mg/L	MB Lot-Sample #: D8F160000-482 MCAWW 300.0A	06/05-06/06/08	8168482

(Continued on next page)

# METHOD BLANK REPORT

## General Chemistry

Client Lot #...: D8F050387

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	ND	Work Order #: KP1QA1AA 5.0	mg/L	MB Lot-Sample #: D8F130000-482 SM18 2320 B	06/13/08	8165482
		Dilution Factor: 1				
		Analysis Time.: 16:00				
Total Dissolved Solids	ND	Work Order #: KP2JP1AA 10	mg/L	MB Lot-Sample #: D8F100000-499 SM18 2540 C	06/10/08	8162499
		Dilution Factor: 1				
		Analysis Time.: 16:30				

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.



# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D8F050387

Matrix.....: WATER

	PERCENT RECOVERY	RECOVERY LIMITS	RPD	LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
pH		WO#:KPKFC1AA-LCS/KPKFC1AC-LCSD LCS Lot-Sample#: D8F060000-496					
	100	(97 - 102)			SM18 4500-H B	06/06/08	8158496
	101	(97 - 102)	0.14 (0-5.0)		SM18 4500-H B	06/06/08	8158496
		Dilution Factor: 1		Analysis Time...: 11:10			
pH		WO#:KPWV51AA-LCS/KPWV51AC-LCSD LCS Lot-Sample#: D8F100000-127					
	100	(97 - 102)			SM18 4500-H B	06/07/08	8162127
	100	(97 - 102)	0.14 (0-5.0)		SM18 4500-H B	06/07/08	8162127
		Dilution Factor: 1		Analysis Time...: 09:35			
Bromide		WO#:KPRHN1AC-LCS/KPRHN1AD-LCSD LCS Lot-Sample#: D8F060000-134					
	104	(90 - 110)			MCAWW 300.0A	06/05/08	8158134
	105	(90 - 110)	1.0 (0-10)		MCAWW 300.0A	06/05/08	8158134
		Dilution Factor: 1		Analysis Time...: 11:01			
Bromide		WO#:KP2JC1AC-LCS/KP2JC1AD-LCSD LCS Lot-Sample#: D8F160000-480					
	103	(90 - 110)			MCAWW 300.0A	06/05-06/06/08	8168480
	103	(90 - 110)	0.10 (0-10)		MCAWW 300.0A	06/05-06/06/08	8168480
		Dilution Factor: 1		Analysis Time...: 12:13			
Chloride		WO#:KPRHE1AC-LCS/KPRHE1AD-LCSD LCS Lot-Sample#: D8F060000-126					
	105	(90 - 110)			MCAWW 300.0A	06/05/08	8158126
	106	(90 - 110)	1.0 (0-10)		MCAWW 300.0A	06/05/08	8158126
		Dilution Factor: 1		Analysis Time...: 11:01			
Chloride		WO#:KP34L1AC-LCS/KP34L1AD-LCSD LCS Lot-Sample#: D8F170000-330					
	99	(90 - 110)			MCAWW 300.0A	06/16/08	8169330
	99	(90 - 110)	0.0 (0-10)		MCAWW 300.0A	06/16/08	8169330
		Dilution Factor: 1		Analysis Time...: 12:10			
Fluoride		WO#:KPRHJ1AC-LCS/KPRHJ1AD-LCSD LCS Lot-Sample#: D8F060000-133					
	99	(90 - 110)			MCAWW 300.0A	06/05/08	8158133
	100	(90 - 110)	0.79 (0-10)		MCAWW 300.0A	06/05/08	8158133
		Dilution Factor: 1		Analysis Time...: 11:01			
Fluoride		WO#:KP2JD1AC-LCS/KP2JD1AD-LCSD LCS Lot-Sample#: D8F160000-481					
	105	(90 - 110)			MCAWW 300.0A	06/05-06/06/08	8168481
	105	(90 - 110)	0.05 (0-10)		MCAWW 300.0A	06/05-06/06/08	8168481
		Dilution Factor: 1		Analysis Time...: 12:13			

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# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D8F050387

Matrix.....: WATER

	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:KPRHP1AC-LCS/KPRHP1AD-LCSD LCS Lot-Sample#: D8F060000-122					
	104	(90 - 110)			MCAWW 300.0A	06/05/08	8158122
	105	(90 - 110)	0.94	(0-10)	MCAWW 300.0A	06/05/08	8158122
		Dilution Factor: 1		Analysis Time...: 11:01			
Nitrate		WO#:KPRHT1AC-LCS/KPRHT1AD-LCSD LCS Lot-Sample#: D8F060000-425					
	102	(90 - 110)			MCAWW 300.0A	06/05-06/06/08	8158425
	102	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	06/05-06/06/08	8158425
		Dilution Factor: 1		Analysis Time...: 12:13			
Nitrite		WO#:KPRG41AC-LCS/KPRG41AD-LCSD LCS Lot-Sample#: D8F060000-121					
	99	(90 - 110)			MCAWW 300.0A	06/05/08	8158121
	100	(90 - 110)	0.87	(0-10)	MCAWW 300.0A	06/05/08	8158121
		Dilution Factor: 1		Analysis Time...: 11:01			
Nitrite		WO#:KPRHK1AC-LCS/KPRHK1AD-LCSD LCS Lot-Sample#: D8F060000-426					
	102	(90 - 110)			MCAWW 300.0A	06/05-06/06/08	8158426
	101	(90 - 110)	0.15	(0-10)	MCAWW 300.0A	06/05-06/06/08	8158426
		Dilution Factor: 1		Analysis Time...: 12:13			
Phosphate as P, Ortho		WO#:KPRH01AC-LCS/KPRH01AD-LCSD LCS Lot-Sample#: D8F060000-123					
	109	(90 - 110)			MCAWW 300.0A	06/05/08	8158123
	110	(90 - 110)	0.47	(0-10)	MCAWW 300.0A	06/05/08	8158123
		Dilution Factor: 1		Analysis Time...: 11:01			
Phosphate as P, Ortho		WO#:KPRH21AC-LCS/KPRH21AD-LCSD LCS Lot-Sample#: D8F060000-427					
	109	(90 - 110)			MCAWW 300.0A	06/05-06/06/08	8158427
	109	(90 - 110)	0.50	(0-10)	MCAWW 300.0A	06/05-06/06/08	8158427
		Dilution Factor: 1		Analysis Time...: 12:13			
Specific Conductance		WO#:KP3LC1AC-LCS/KP3LC1AD-LCSD LCS Lot-Sample#: D8F160000-374					
	100	(90 - 110)			SM18 2510 B	06/13/08	8168374
	100	(90 - 110)	0.07	(0-10)	SM18 2510 B	06/13/08	8168374
		Dilution Factor: 1		Analysis Time...: 18:30			
Sulfate		WO#:KPRH51AC-LCS/KPRH51AD-LCSD LCS Lot-Sample#: D8F060000-129					
	105	(90 - 110)			MCAWW 300.0A	06/05/08	8158129
	106	(90 - 110)	0.81	(0-10)	MCAWW 300.0A	06/05/08	8158129
		Dilution Factor: 1		Analysis Time...: 11:01			

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# LABORATORY CONTROL SAMPLE EVALUATION REPORT

## General Chemistry

Lot-Sample #...: D8F050387

Matrix.....: WATER

	PERCENT	RECOVERY	RPD		PREPARATION-	PREP	
PARAMETER	RECOVERY	LIMITS	RPD	LIMITS	METHOD	ANALYSIS DATE	BATCH #
Sulfate		WO#:KP2JF1AC-LCS/KP2JF1AD-LCSD LCS Lot-Sample#: D8F160000-482					
	102	(90 - 110)			MCAWW 300.0A	06/05-06/06/08	8168482
	102	(90 - 110)	0.03	(0-10)	MCAWW 300.0A	06/05-06/06/08	8168482
		Dilution Factor: 1		Analysis Time..: 12:13			
Total Alkalinity		WO#:KP1QA1AC-LCS/KP1QA1AD-LCSD LCS Lot-Sample#: D8F130000-482					
	92	(90 - 110)			SM18 2320 B	06/13/08	8165482
	94	(90 - 110)	1.1	(0-10)	SM18 2320 B	06/13/08	8165482
		Dilution Factor: 1		Analysis Time..: 16:00			
Total Dissolved Solids		WO#:KP2JP1AC-LCS/KP2JP1AD-LCSD LCS Lot-Sample#: D8F100000-499					
	98	(86 - 106)			SM18 2540 C	06/10/08	8162499
	98	(86 - 106)	0.0	(0-20)	SM18 2540 C	06/10/08	8162499
		Dilution Factor: 1		Analysis Time..: 16:30			

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D8F050387

Matrix.....: WATER

	SPIKE	MEASURED		PERCNT			PREPARATION-	PREP
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	BATCH #
pH			WO#:KPKFC1AA-LCS/KPKFC1AC-LCSD LCS Lot-Sample#: D8F060000-496					
	7.00	7.03	No Units	100		SM18 4500-H B	06/06/08	8158496
	7.00	7.04	No Units	101	0.14	SM18 4500-H B	06/06/08	8158496
			Dilution Factor: 1		Analysis Time...: 11:10			
pH			WO#:KPWV51AA-LCS/KPWV51AC-LCSD LCS Lot-Sample#: D8F100000-127					
	7.00	7.03	No Units	100		SM18 4500-H B	06/07/08	8162127
	7.00	7.02	No Units	100	0.14	SM18 4500-H B	06/07/08	8162127
			Dilution Factor: 1		Analysis Time...: 09:35			
Bromide			WO#:KPRHN1AC-LCS/KPRHN1AD-LCSD LCS Lot-Sample#: D8F060000-134					
	5.00	5.22	mg/L	104		MCAWW 300.0A	06/05/08	8158134
	5.00	5.27	mg/L	105	1.0	MCAWW 300.0A	06/05/08	8158134
			Dilution Factor: 1		Analysis Time...: 11:01			
Bromide			WO#:KP2JC1AC-LCS/KP2JC1AD-LCSD LCS Lot-Sample#: D8F160000-480					
	5.00	5.16	mg/L	103		MCAWW 300.0A	06/05-06/06/08	8168480
	5.00	5.16	mg/L	103	0.10	MCAWW 300.0A	06/05-06/06/08	8168480
			Dilution Factor: 1		Analysis Time...: 12:13			
Chloride			WO#:KPRHE1AC-LCS/KPRHE1AD-LCSD LCS Lot-Sample#: D8F060000-126					
	25.0	26.3	mg/L	105		MCAWW 300.0A	06/05/08	8158126
	25.0	26.6	mg/L	106	1.0	MCAWW 300.0A	06/05/08	8158126
			Dilution Factor: 1		Analysis Time...: 11:01			
Chloride			WO#:KP34L1AC-LCS/KP34L1AD-LCSD LCS Lot-Sample#: D8F170000-330					
	25.0	24.7	mg/L	99		MCAWW 300.0A	06/16/08	8169330
	25.0	24.7	mg/L	99	0.0	MCAWW 300.0A	06/16/08	8169330
			Dilution Factor: 1		Analysis Time...: 12:10			
Fluoride			WO#:KPRHJ1AC-LCS/KPRHJ1AD-LCSD LCS Lot-Sample#: D8F060000-133					
	5.00	4.95	mg/L	99		MCAWW 300.0A	06/05/08	8158133
	5.00	4.99	mg/L	100	0.79	MCAWW 300.0A	06/05/08	8158133
			Dilution Factor: 1		Analysis Time...: 11:01			
Fluoride			WO#:KP2JD1AC-LCS/KP2JD1AD-LCSD LCS Lot-Sample#: D8F160000-481					
	5.00	5.26	mg/L	105		MCAWW 300.0A	06/05-06/06/08	8168481
	5.00	5.26	mg/L	105	0.05	MCAWW 300.0A	06/05-06/06/08	8168481
			Dilution Factor: 1		Analysis Time...: 12:13			

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# LABORATORY CONTROL SAMPLE DATA REPORT

## General Chemistry

Lot-Sample #...: D8F050387

Matrix.....: WATER

	SPIKE	MEASURED		PERCNT			PREPARATION-	PREP
PARAMETER	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	METHOD	ANALYSIS DATE	BATCH #
Nitrate			WO#:KPRHP1AC-LCS/KPRHP1AD-LCSD LCS Lot-Sample#: D8F060000-122					
	5.00	5.20	mg/L	104		MCAWW 300.0A	06/05/08	8158122
	5.00	5.25	mg/L	105	0.94	MCAWW 300.0A	06/05/08	8158122
			Dilution Factor: 1		Analysis Time...: 11:01			
Nitrate			WO#:KPRHT1AC-LCS/KPRHT1AD-LCSD LCS Lot-Sample#: D8F060000-425					
	5.00	5.10	mg/L	102		MCAWW 300.0A	06/05-06/06/08	8158425
	5.00	5.10	mg/L	102	0.05	MCAWW 300.0A	06/05-06/06/08	8158425
			Dilution Factor: 1		Analysis Time...: 12:13			
Nitrite			WO#:KPRG41AC-LCS/KPRG41AD-LCSD LCS Lot-Sample#: D8F060000-121					
	5.00	4.96	mg/L	99		MCAWW 300.0A	06/05/08	8158121
	5.00	5.01	mg/L	100	0.87	MCAWW 300.0A	06/05/08	8158121
			Dilution Factor: 1		Analysis Time...: 11:01			
Nitrite			WO#:KPRHK1AC-LCS/KPRHK1AD-LCSD LCS Lot-Sample#: D8F060000-426					
	5.00	5.08	mg/L	102		MCAWW 300.0A	06/05-06/06/08	8158426
	5.00	5.07	mg/L	101	0.15	MCAWW 300.0A	06/05-06/06/08	8158426
			Dilution Factor: 1		Analysis Time...: 12:13			
Phosphate as P, Ortho			WO#:KPRH01AC-LCS/KPRH01AD-LCSD LCS Lot-Sample#: D8F060000-123					
	5.00	5.47	mg/L	109		MCAWW 300.0A	06/05/08	8158123
	5.00	5.49	mg/L	110	0.47	MCAWW 300.0A	06/05/08	8158123
			Dilution Factor: 1		Analysis Time...: 11:01			
Phosphate as P, Ortho			WO#:KPRH21AC-LCS/KPRH21AD-LCSD LCS Lot-Sample#: D8F060000-427					
	5.00	5.47	mg/L	109		MCAWW 300.0A	06/05-06/06/08	8158427
	5.00	5.45	mg/L	109	0.50	MCAWW 300.0A	06/05-06/06/08	8158427
			Dilution Factor: 1		Analysis Time...: 12:13			
Specific Conductance			WO#:KP3LC1AC-LCS/KP3LC1AD-LCSD LCS Lot-Sample#: D8F160000-374					
	1410	1410	umhos/cm	100		SM18 2510 B	06/13/08	8168374
	1410	1410	umhos/cm	100	0.07	SM18 2510 B	06/13/08	8168374
			Dilution Factor: 1		Analysis Time...: 18:30			
Sulfate			WO#:KPRH51AC-LCS/KPRH51AD-LCSD LCS Lot-Sample#: D8F060000-129					
	25.0	26.2	mg/L	105		MCAWW 300.0A	06/05/08	8158129
	25.0	26.4	mg/L	106	0.81	MCAWW 300.0A	06/05/08	8158129
			Dilution Factor: 1		Analysis Time...: 11:01			

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## General Chemistry

Matrix.....: WATER

Calculations are performed before rounding to avoid round-off errors in calculated results.

# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D8F050387

Matrix.....: WATER

Date Sampled...: 06/03/08 10:45 Date Received...: 06/06/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide			WO#: KPGKD1A5-MS/KPGKD1A6-MSD MS Lot-Sample #: D8F050387-001				
	112	(80 - 120)			MCAWW 300.0A	06/05/08	8158134
	110	(80 - 120)	1.0	(0-20)	MCAWW 300.0A	06/05/08	8158134
			Dilution Factor: 1				
			Analysis Time...: 22:18				
Bromide			WO#: KPGKP1A9-MS/KPGKP1CA-MSD MS Lot-Sample #: D8F050387-007				
	106	(80 - 120)			MCAWW 300.0A	06/05-06/06/08	8168480
	105	(80 - 120)	1.0	(0-20)	MCAWW 300.0A	06/05-06/06/08	8168480
			Dilution Factor: 1				
			Analysis Time...: 11:39				
Chloride			WO#: KPD601CG-MS/KPD601CH-MSD MS Lot-Sample #: D8F040371-001				
	105	(80 - 120)			MCAWW 300.0A	06/16/08	8169330
	105	(80 - 120)	0.03	(0-20)	MCAWW 300.0A	06/16/08	8169330
			Dilution Factor: 1				
			Analysis Time...: 18:04				
Chloride			WO#: KPFW01A3-MS/KPFW01A4-MSD MS Lot-Sample #: D8F050291-004				
	110	(80 - 120)			MCAWW 300.0A	06/05/08	8158126
	111	(80 - 120)	0.98	(0-20)	MCAWW 300.0A	06/05/08	8158126
			Dilution Factor: 1				
			Analysis Time...: 18:02				
Chloride			WO#: KPH251EF-MS/KPH251EG-MSD MS Lot-Sample #: D8F060253-001				
	89	(80 - 120)			MCAWW 300.0A	06/16-06/17/08	8169330
	104	(80 - 120)	6.0	(0-20)	MCAWW 300.0A	06/16-06/17/08	8169330
			Dilution Factor: 1				
			Analysis Time...: 00:08				
Fluoride			WO#: KPGKD1A3-MS/KPGKD1A4-MSD MS Lot-Sample #: D8F050387-001				
	105	(80 - 120)			MCAWW 300.0A	06/05/08	8158133
	104	(80 - 120)	1.1	(0-20)	MCAWW 300.0A	06/05/08	8158133
			Dilution Factor: 1				
			Analysis Time...: 22:18				
Fluoride			WO#: KPGKP1CC-MS/KPGKP1CD-MSD MS Lot-Sample #: D8F050387-007				
	89	(80 - 120)			MCAWW 300.0A	06/05-06/06/08	8168481
	90	(80 - 120)	0.25	(0-20)	MCAWW 300.0A	06/05-06/06/08	8168481
			Dilution Factor: 1				
			Analysis Time...: 11:39				

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# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D8F050387

Matrix.....: WATER

Date Sampled...: 06/03/08 10:45 Date Received...: 06/06/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Nitrate			WO#: KPE9C1EK-MS/KPE9C1EL-MSD MS Lot-Sample #: D8F050202-001				
	103	(80 - 120)			MCAWW 300.0A	06/05/08	8158122
	106	(80 - 120)	3.0	(0-20)	MCAWW 300.0A	06/05/08	8158122
			Dilution Factor: 1 Analysis Time...: 13:49				
Nitrate			WO#: KPGKP1A5-MS/KPGKP1A6-MSD MS Lot-Sample #: D8F050387-007				
	100	(80 - 120)			MCAWW 300.0A	06/05-06/06/08	8158425
	99	(80 - 120)	1.2	(0-20)	MCAWW 300.0A	06/05-06/06/08	8158425
			Dilution Factor: 1 Analysis Time...: 11:39				
Nitrite			WO#: KPE9C1EM-MS/KPE9C1EN-MSD MS Lot-Sample #: D8F050202-001				
	98	(80 - 120)			MCAWW 300.0A	06/05/08	8158121
	101	(80 - 120)	3.2	(0-20)	MCAWW 300.0A	06/05/08	8158121
			Dilution Factor: 1 Analysis Time...: 13:49				
Nitrite			WO#: KPGKP1A3-MS/KPGKP1A4-MSD MS Lot-Sample #: D8F050387-007				
	93	(80 - 120)			MCAWW 300.0A	06/05-06/06/08	8158426
	91	(80 - 120)	1.3	(0-20)	MCAWW 300.0A	06/05-06/06/08	8158426
			Dilution Factor: 1 Analysis Time...: 11:39				
Phosphate as P, Ortho			WO#: KPGKD1A7-MS/KPGKD1A8-MSD MS Lot-Sample #: D8F050387-001				
	118	(80 - 120)			MCAWW 300.0A	06/05/08	8158123
	117	(80 - 120)	0.64	(0-20)	MCAWW 300.0A	06/05/08	8158123
			Dilution Factor: 1 Analysis Time...: 22:18				
Phosphate as P, Ortho			WO#: KPGKP1A7-MS/KPGKP1A8-MSD MS Lot-Sample #: D8F050387-007				
	69 N	(80 - 120)			MCAWW 300.0A	06/05-06/06/08	8158427
	69 N	(80 - 120)	0.41	(0-20)	MCAWW 300.0A	06/05-06/06/08	8158427
			Dilution Factor: 1 Analysis Time...: 11:39				
Sulfate			WO#: KPE9C1EH-MS/KPE9C1EJ-MSD MS Lot-Sample #: D8F050202-001				
	103	(80 - 120)			MCAWW 300.0A	06/05/08	8158129
	103	(80 - 120)	0.01	(0-20)	MCAWW 300.0A	06/05/08	8158129
			Dilution Factor: 1 Analysis Time...: 14:39				

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# MATRIX SPIKE SAMPLE EVALUATION REPORT

## General Chemistry

Client Lot #...: D8F050387

Matrix.....: WATER

Date Sampled...: 06/03/08 10:45 Date Received...: 06/06/08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	LIMITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Sulfate			WO#:	KPGKP1CE-MS/KPGKP1CF-MSD	MS	Lot-Sample #:	D8F050387-007
	100	(80 - 120)			MCAWW 300.0A	06/05-06/06/08	8168482
	99	(80 - 120)	1.2	(0-20)	MCAWW 300.0A	06/05-06/06/08	8168482
			Dilution Factor: 1				
			Analysis Time...: 11:39				

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #....: D8F050387

Matrix.....: WATER

Date Sampled....: 06/03/08 10:45 Date Received...: 06/06/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Bromide									
WO#: KPGKD1A5-MS/KPGKD1A6-MSD MS Lot-Sample #: D8F050387-001									
	ND	5.00	5.75	mg/L	112		MCAWW 300.0A	06/05/08	8158134
	ND	5.00	5.69	mg/L	110	1.0	MCAWW 300.0A	06/05/08	8158134
Dilution Factor: 1									
Analysis Time...: 22:18									
Bromide									
WO#: KPGKP1A9-MS/KPGKP1CA-MSD MS Lot-Sample #: D8F050387-007									
	8.4	25.0	34.9	mg/L	106		MCAWW 300.0A	06/05-06/06/08	8168480
	8.4	25.0	34.5	mg/L	105	1.0	MCAWW 300.0A	06/05-06/06/08	8168480
Dilution Factor: 1									
Analysis Time...: 11:39									
Chloride									
WO#: KPD601CG-MS/KPD601CH-MSD MS Lot-Sample #: D8F040371-001									
	280	250	543	mg/L	105		MCAWW 300.0A	06/16/08	8169330
	280	250	544	mg/L	105	0.03	MCAWW 300.0A	06/16/08	8169330
Dilution Factor: 1									
Analysis Time...: 18:04									
Chloride									
WO#: KPFW01A3-MS/KPFW01A4-MSD MS Lot-Sample #: D8F050291-004									
	8.1	25.0	35.5	mg/L	110		MCAWW 300.0A	06/05/08	8158126
	8.1	25.0	35.8	mg/L	111	0.98	MCAWW 300.0A	06/05/08	8158126
Dilution Factor: 1									
Analysis Time...: 18:02									
Chloride									
WO#: KPH251EF-MS/KPH251EG-MSD MS Lot-Sample #: D8F060253-001									
	7300	5000	11800	mg/L	89		MCAWW 300.0A	06/16-06/17/08	8169330
	7300	5000	12500	mg/L	104	6.0	MCAWW 300.0A	06/16-06/17/08	8169330
Dilution Factor: 1									
Analysis Time...: 00:08									
Fluoride									
WO#: KPGKD1A3-MS/KPGKD1A4-MSD MS Lot-Sample #: D8F050387-001									
	ND	5.00	5.34	mg/L	105		MCAWW 300.0A	06/05/08	8158133
	ND	5.00	5.28	mg/L	104	1.1	MCAWW 300.0A	06/05/08	8158133
Dilution Factor: 1									
Analysis Time...: 22:18									
Fluoride									
WO#: KPGKP1CC-MS/KPGKP1CD-MSD MS Lot-Sample #: D8F050387-007									
	25	25.0	47.7	mg/L	89		MCAWW 300.0A	06/05-06/06/08	8168481
	25	25.0	47.8	mg/L	90	0.25	MCAWW 300.0A	06/05-06/06/08	8168481
Dilution Factor: 1									
Analysis Time...: 11:39									

(Continued on next page)

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #...: D8F050387

Matrix.....: WATER

Date Sampled...: 06/03/08 10:45 Date Received...: 06/06/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
WO#: KPE9C1EK-MS/KPE9C1EL-MSD MS Lot-Sample #: D8F050202-001									
Nitrate	ND	5.00	5.20	mg/L	103		MCAWW 300.0A	06/05/08	8158122
	ND	5.00	5.36	mg/L	106	3.0	MCAWW 300.0A	06/05/08	8158122
Dilution Factor: 1									
Analysis Time...: 13:49									
WO#: KPGKP1A5-MS/KPGKP1A6-MSD MS Lot-Sample #: D8F050387-007									
Nitrate	ND	25.0	25.0	mg/L	100		MCAWW 300.0A	06/05-06/06/08	8158425
	ND	25.0	24.7	mg/L	99	1.2	MCAWW 300.0A	06/05-06/06/08	8158425
Dilution Factor: 1									
Analysis Time...: 11:39									
WO#: KPE9C1EM-MS/KPE9C1EN-MSD MS Lot-Sample #: D8F050202-001									
Nitrite	ND	5.00	4.91	mg/L	98		MCAWW 300.0A	06/05/08	8158121
	ND	5.00	5.06	mg/L	101	3.2	MCAWW 300.0A	06/05/08	8158121
Dilution Factor: 1									
Analysis Time...: 13:49									
WO#: KPGKP1A3-MS/KPGKP1A4-MSD MS Lot-Sample #: D8F050387-007									
Nitrite	ND	25.0	23.1	mg/L	93		MCAWW 300.0A	06/05-06/06/08	8158426
	ND	25.0	22.8	mg/L	91	1.3	MCAWW 300.0A	06/05-06/06/08	8158426
Dilution Factor: 1									
Analysis Time...: 11:39									
WO#: KPGKD1A7-MS/KPGKD1A8-MSD MS Lot-Sample #: D8F050387-001									
Phosphate as P, Ortho	ND	5.00	5.91	mg/L	118		MCAWW 300.0A	06/05/08	8158123
	ND	5.00	5.87	mg/L	117	0.64	MCAWW 300.0A	06/05/08	8158123
Dilution Factor: 1									
Analysis Time...: 22:18									
WO#: KPGKP1A7-MS/KPGKP1A8-MSD MS Lot-Sample #: D8F050387-007									
Phosphate as P, Ortho	11	25.0	28.6 N	mg/L	69		MCAWW 300.0A	06/05-06/06/08	8158427
	11	25.0	28.7 N	mg/L	69	0.41	MCAWW 300.0A	06/05-06/06/08	8158427
Dilution Factor: 1									
Analysis Time...: 11:39									
WO#: KPE9C1EH-MS/KPE9C1EJ-MSD MS Lot-Sample #: D8F050202-001									
Sulfate	240	250	500	mg/L	103		MCAWW 300.0A	06/05/08	8158129
	240	250	500	mg/L	103	0.01	MCAWW 300.0A	06/05/08	8158129
Dilution Factor: 1									
Analysis Time...: 14:39									

(Continued on next page)

# MATRIX SPIKE SAMPLE DATA REPORT

## General Chemistry

Client Lot #...: D8F050387

Matrix.....: WATER

Date Sampled...: 06/03/08 10:45 Date Received...: 06/06/08

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Sulfate			WO#: KPGKP1CE-MS/KPGKP1CF-MSD MS Lot-Sample #: D8F050387-007						
	ND	125	127	mg/L	100		MCAWW 300.0A	06/05-06/06/08	8168482
	ND	125	125	mg/L	99	1.2	MCAWW 300.0A	06/05-06/06/08	8168482
			Dilution Factor: 1						
			Analysis Time...: 11:39						

### NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D8F050387

Work Order #...: KPJTC-SMP

Matrix.....: WATER

KPJTC-DUP

Date Sampled...: 06/04/08 14:38

Date Received...: 06/06/08

% Moisture.....: 0.0

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved						SD Lot-Sample #: D8F060367-004		
Solids	190	180	mg/L	5.0	(0-20)	SM18 2540 C	06/10/08	8162498
			Dilution Factor: 1			Analysis Time...: 16:30		

## General Chemistry

Matrix.....: WATER

Date Sampled...: 06/04/08 12:45 Date Received...: 06/05/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids	4300	4300	mg/L	0.37	(0-20)	SM18 2540 C	06/10/08	8162499
Dilution Factor: 1				Analysis Time.: 16:30				
SD Lot-Sample #:						D8F050387-007		

## General Chemistry

Matrix.....: WATER

% Moisture.....: 0.0

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Alkalinity	ND	ND	mg/L	83	(0-10)	SD Lot-Sample #: D8F060179-002 SM18 2320 B	06/13/08	8165483
Dilution Factor: 1				Analysis Time.: 16:00				

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #....: D8F050387      Work Order #....: KPXH4-SMP      Matrix.....: SOLID

KPXH4-DUP

Date Sampled....: 06/10/08 11:30      Date Received...: 06/13/08

% Moisture.....: 83

PARAM	RESULT	DUPLICATE	UNITS	RPD	RPD	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	83	81	%	2.1	(0-20)	MCAWW 160.3 MOD	06/16/08	8168232
				Dilution Factor: 1	Analysis Time.: 11:00			

SD Lot-Sample #: D8F130251-001



# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #....: D8F050387

Work Order #....: KPCE6-SMP  
KPCE6-DUP

Matrix.....: WATER

Date Sampled....: 06/03/08 06:25 Date Received...: 06/04/08

% Moisture.....: 0.0

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Specific Conductance	5300	5300	umhos/cm	0.38	(0-10)	SM18 2510 B	06/13/08	8168374
				Dilution Factor: 1	Analysis Time..: 18:30			

SD Lot-Sample #: D8F040195-001

# SAMPLE DUPLICATE EVALUATION REPORT

## General Chemistry

Client Lot #...: D8F050387

Work Order #...: KPGKD-SMP  
KPGKD-DUP

Matrix.....: WATER

Date Sampled...: 06/04/08 09:30

Date Received..: 06/05/08

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D8F050387-001	
660	660		umhos/cm	0.0	(0-10)	SM18 2510 B	06/13/08	8168374
			Dilution Factor:	1		Analysis Time..:	18:30	

# Chain of Custody Record

STL-4124 (0901)

2.8° 2.4' 12.3"  
N  
6/5/08  
241

SEVERN  
TRENT

STL

Severn Trent Laboratories, Inc.

STL Denver  
4955 Yarrow Street  
Avrada, CO 80002

Client <b>COGCC</b>		Project Manager <b>Chris Canfield</b>		Date <b>06-04-08</b>	Chain of Custody Number <b>343357</b>
Address <b>707 Mapiti Court, Suite 204</b>		Telephone Number (Area Code)/Fax Number <b>970-625-2447 / 970-625-5682</b>		Lab Number	Page <b>3</b> of <b>3</b>
City <b>Rifle</b>	State <b>CO</b>	Zip Code <b>81650</b>	Site Contact	Lab Contact	
Project Name and Location (State) <b>Prather Ranch, Garfield County, CO</b>			Carrier/Waybill Number		
Contract/Purchase Order/Quote No.					

  

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix			Containers & Preservatives						Analysis (Attach list if more space is needed)				Special Instructions/ Conditions of Receipt					
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260B (HSL)	RSK 175M	TDS/pH		Dis. Metals	Anions	General Chemistry	8260B	GRD/ORS
Ned's Spring	06-04-08	9:30	X																		
Ned's Cabin	06-04-08	10:05	X																		
Second Spring	06-04-08	10:40	X																		
Dick's Spring	06-04-08	11:05	X																		
Danna's Spring	06-04-08	11:31	X																		
Ned's Stock Pond	06-04-08	11:58	X																		
CSOC 697-14 No.1 Pond. Wtr.	06-04-08	12:45	X																		
Ned's Spring	06-04-08	9:30																			

  

Possible Hazard Identification	Sample Disposal	Turn Around Time Required	Relinquished By	Received By	Date	Time
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Return To Client <input type="checkbox"/> Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)	<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input checked="" type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	Relinquished By <b>Chris Canfield</b> Date <b>6/5/08</b>	Received By <b>David And</b> Date <b>6/5/08</b>	Date <b>6/5/08</b>	Time <b>14:04</b>

  

3. Relinquished By	Date	Time
3. Received By	Date	Time
	<b>6/5/08</b>	<b>17:10</b>
	<b>6/5/08</b>	<b>17:10</b>

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy