Data for SW8260B Forms

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Notes	Date
1302023-01 [GW0919]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-03 [GW0920]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-05 [GW0921]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-07 [GW0936]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-09 [GW0937]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-11 [GW0938]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-13 [GW0945]	3B07012	5.00/5.00	5.00	5.00	50.00			02/07/13
1302023-15 [GW0968]	3B07012	5.00/5.00	5.00	5.00	10.00			02/07/13
1302023-17 [GW0969]	3B07012	5.00/5.00	5.00	5.00	5.00			02/07/13
1302023-19 [GW0970]	3B07012	5.00/5.00	5.00	5.00	5.00			02/07/13
1302023-21 [GW0971]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-23 [GW0983]	3B07012	5.00/5.00	5.00	5.00	5.00			02/07/13
1302023-25 [GW0984]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-27 [GW8069-AB]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13
1302023-28 [GW8256-TB]	3B07012	5.00/5.00	5.00	5.00	1.00			02/07/13

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Notes	Date
1302023-13RE1 [GW0945]	3B08006	5.00/5.00	5.00	5.00	100.00			02/08/13

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Notes	Date
1302048-23 [GW8257-TB]	3B11006	5.00/5.00	5.00	5.00	1.00			02/11/13

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Notes	Date
1302048-01 [GW0907]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-03 [GW0911]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-05 [GW0912]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-07 [GW0962]	3B14017	5.00/5.00	5.00	5.00	5.00			02/14/13
1302048-09 [GW0963]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-11 [GW0964]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-13 [GW0967]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-15 [GW0991]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-17 [GW0992]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-19 [GW0993]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13
1302048-21 [GW0994]	3B14017	5.00/5.00	5.00	5.00	1.00			02/14/13

ANALYSIS DATA SHEET

GW0919

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-01 File ID: 0202301.D

Sampled: 02/05/13 14:38 Prepared: 02/07/13 13:18 Analyzed: 02/07/13 13:18

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	**0.810**	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0919

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-01 File ID: 0202301.D

Sampled: 02/05/13 14:38 Prepared: 02/07/13 13:18 Analyzed: 02/07/13 13:18

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.32	94.4	75 - 120	
Dibromofluoromethane	30.00	28.31	94.4	85 - 115	
1,2-Dichloroethane-d4	30.00	28.30	94.3	70 - 120	
Toluene-d8	30.00	29.86	99.5	85 - 120	

ANALYSIS DATA SHEET

GW0920

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-03 File ID: 0202303.D

Sampled: 02/05/13 12:37 Prepared: 02/07/13 13:46 Analyzed: 02/07/13 13:46

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	**0.460**	0.250	0.500	1.00	J
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0920

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-03 File ID: 0202303.D

Sampled: 02/05/13 12:37 Prepared: 02/07/13 13:46 Analyzed: 02/07/13 13:46

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.39	94.6	75 - 120	
Dibromofluoromethane	30.00	28.49	95.0	85 - 115	
1,2-Dichloroethane-d4	30.00	29.00	96.7	70 - 120	
Toluene-d8	30.00	30.07	100	85 - 120	

ANALYSIS DATA SHEET

GW0921

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-05 File ID: 0202305.D

Sampled: 02/05/13 10:33 Prepared: 02/07/13 14:14 Analyzed: 02/07/13 14:14

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0921

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-05 File ID: 0202305.D

Sampled: 02/05/13 10:33 Prepared: 02/07/13 14:14 Analyzed: 02/07/13 14:14

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.12	93.7	75 - 120	
Dibromofluoromethane	30.00	28.16	93.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.75	95.8	70 - 120	
Toluene-d8	30.00	29.87	99.6	85 - 120	

ANALYSIS DATA SHEET

GW0936

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-07 File ID: 0202307.D

Sampled: 02/04/13 15:28 Prepared: 02/07/13 14:42 Analyzed: 02/07/13 14:42

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0936

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-07 File ID: 0202307.D

Sampled: 02/04/13 15:28 Prepared: 02/07/13 14:42 Analyzed: 02/07/13 14:42

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.92	93.1	75 - 120	
Dibromofluoromethane	30.00	28.26	94.2	85 - 115	
1,2-Dichloroethane-d4	30.00	28.16	93.9	70 - 120	
Toluene-d8	30.00	29.94	99.8	85 - 120	

ANALYSIS DATA SHEET

GW0937

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-09 File ID: 0202309.D

Sampled: 02/04/13 12:42 Prepared: 02/07/13 15:10 Analyzed: 02/07/13 15:10

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0937

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-09 File ID: 0202309.D

Sampled: 02/04/13 12:42 Prepared: 02/07/13 15:10 Analyzed: 02/07/13 15:10

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.98	93.3	75 - 120	
Dibromofluoromethane	30.00	28.65	95.5	85 - 115	
1,2-Dichloroethane-d4	30.00	28.46	94.9	70 - 120	
Toluene-d8	30.00	29.64	98.8	85 - 120	

ANALYSIS DATA SHEET

GW0938

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-11 File ID: 0202311.D

Sampled: 02/04/13 10:24 Prepared: 02/07/13 15:38 Analyzed: 02/07/13 15:38

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0938

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-11 File ID: 0202311.D

Sampled: 02/04/13 10:24 Prepared: 02/07/13 15:38 Analyzed: 02/07/13 15:38

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.78	92.6	75 - 120	
Dibromofluoromethane	30.00	28.41	94.7	85 - 115	
1,2-Dichloroethane-d4	30.00	27.50	91.7	70 - 120	
Toluene-d8	30.00	29.84	99.5	85 - 120	

ANALYSIS DATA SHEET

GW0945

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-13 File ID: 0202313D.D

Sampled: 02/04/13 16:25 Prepared: 02/07/13 19:21 Analyzed: 02/07/13 19:21

Solids: Preparation: 5030B Dilution: 50

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**597**	125	250	500	D
71-43-2	Benzene	**7450**	12.5	25.0	50.0	D
108-86-1	Bromobenzene		12.5	25.0	50.0	U
74-97-5	Bromochloromethane		12.5	25.0	50.0	U
75-27-4	Bromodichloromethane		12.5	25.0	50.0	U
75-25-2	Bromoform		12.5	25.0	50.0	U
74-83-9	Bromomethane		25.0	50.0	100	U
104-51-8	n-Butylbenzene		12.5	25.0	50.0	U
78-93-3	2-Butanone	**202**	125	250	500	JD
135-98-8	sec-Butylbenzene		12.5	25.0	50.0	U
98-06-6	tert-Butylbenzene		12.5	25.0	50.0	U
75-15-0	Carbon disulfide		12.5	25.0	50.0	U
56-23-5	Carbon tetrachloride		12.5	25.0	50.0	U
108-90-7	Chlorobenzene		12.5	25.0	50.0	U
75-00-3	Chloroethane		25.0	50.0	100	U
67-66-3	Chloroform		12.5	25.0	50.0	U
74-87-3	Chloromethane		12.5	25.0	50.0	UX
95-49-8	2-Chlorotoluene		12.5	25.0	50.0	U
106-43-4	4-Chlorotoluene		12.5	25.0	50.0	U
124-48-1	Dibromochloromethane		12.5	25.0	50.0	U
96-12-8	1,2-Dibromo-3-chloropropane		25.0	50.0	100	U
106-93-4	1,2-Dibromoethane (EDB)	**154**	12.5	25.0	50.0	D
74-95-3	Dibromomethane		12.5	25.0	50.0	U
95-50-1	1,2-Dichlorobenzene		12.5	25.0	50.0	U
541-73-1	1,3-Dichlorobenzene		12.5	25.0	50.0	U
106-46-7	1,4-Dichlorobenzene		12.5	25.0	50.0	U
75-71-8	Dichlorodifluoromethane		25.0	50.0	100	UX
75-34-3	1,1-Dichloroethane		12.5	25.0	50.0	U
107-06-2	1,2-Dichloroethane		12.5	25.0	50.0	U
75-35-4	1,1-Dichloroethene		12.5	25.0	50.0	U
156-59-2	cis-1,2-Dichloroethene		12.5	25.0	50.0	U
156-60-5	trans-1,2-Dichloroethene		12.5	25.0	50.0	U
78-87-5	1,2-Dichloropropane		12.5	25.0	50.0	U
142-28-9	1,3-Dichloropropane		12.5	25.0	50.0	U
594-20-7	2,2-Dichloropropane		12.5	25.0	50.0	U
563-58-6	1,1-Dichloropropene		12.5	25.0	50.0	U
10061-01-5	cis-1,3-Dichloropropene		12.5	25.0	50.0	U
10061-02-6	trans-1,3-Dichloropropene		12.5	25.0	50.0	U
100-41-4	Ethylbenzene	**1080**	12.5	25.0	50.0	D
87-68-3	Hexachlorobutadiene		12.5	25.0	100	U

ANALYSIS DATA SHEET

GW0945

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-13 File ID: 0202313D.D

Sampled: 02/04/13 16:25 Prepared: 02/07/13 19:21 Analyzed: 02/07/13 19:21

Solids: Preparation: 5030B Dilution: 50

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**319**	62.5	125	250	D
98-82-8	Isopropylbenzene	**72.5**	12.5	25.0	50.0	D
99-87-6	p-Isopropyltoluene		12.5	25.0	50.0	U
75-09-2	Methylene chloride		25.0	50.0	100	U
91-20-3	Naphthalene	**100**	12.5	25.0	100	D
108-10-1	4-Methyl-2-pentanone	**185**	62.5	125	250	JD
1634-04-4	Methyl t-Butyl Ether		12.5	25.0	50.0	U
103-65-1	n-Propylbenzene	**85.5**	12.5	25.0	50.0	D
100-42-5	Styrene		12.5	25.0	50.0	U
79-34-5	1,1,2,2-Tetrachloroethane		12.5	25.0	50.0	U
630-20-6	1,1,1,2-Tetrachloroethane		12.5	25.0	50.0	U
127-18-4	Tetrachloroethene		12.5	25.0	50.0	U
108-88-3	Toluene	**10600**	12.5	25.0	50.0	ED
87-61-6	1,2,3-Trichlorobenzene		12.5	25.0	100	U
120-82-1	1,2,4-Trichlorobenzene		12.5	25.0	100	U
79-00-5	1,1,2-Trichloroethane		12.5	25.0	50.0	U
71-55-6	1,1,1-Trichloroethane		12.5	25.0	50.0	U
79-01-6	Trichloroethene		12.5	25.0	50.0	U
75-69-4	Trichlorofluoromethane		25.0	50.0	100	U
96-18-4	1,2,3-Trichloropropane		25.0	50.0	100	U
108-67-8	1,3,5-Trimethylbenzene	**102**	12.5	25.0	50.0	D
95-63-6	1,2,4-Trimethylbenzene	**315**	12.5	25.0	50.0	D
75-01-4	Vinyl chloride		12.5	25.0	50.0	U
1330-20-7	Xylenes (total)	**3720**	37.5	75.0	150	D

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.26	94.2	75 - 120	
Dibromofluoromethane	30.00	28.41	94.7	85 - 115	
1,2-Dichloroethane-d4	30.00	28.58	95.3	70 - 120	
Toluene-d8	30.00	29.55	98.5	85 - 120	

ANALYSIS DATA SHEET

GW0945

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-13RE1 File ID: 0202313D.D

Sampled: 02/04/13 16:25 Prepared: 02/08/13 20:53 Analyzed: 02/08/13 20:53

Solids: Preparation: 5030B Dilution: 100

Batch: 3B08006 Sequence: 3B04205 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**580**	250	500	1000	JD
71-43-2	Benzene	**8060**	25.0	50.0	100	D
108-86-1	Bromobenzene		25.0	50.0	100	U
74-97-5	Bromochloromethane		25.0	50.0	100	U
75-27-4	Bromodichloromethane		25.0	50.0	100	U
75-25-2	Bromoform		25.0	50.0	100	U
74-83-9	Bromomethane		50.0	100	200	U
104-51-8	n-Butylbenzene		25.0	50.0	100	U
78-93-3	2-Butanone		250	500	1000	U
135-98-8	sec-Butylbenzene		25.0	50.0	100	U
98-06-6	tert-Butylbenzene		25.0	50.0	100	U
75-15-0	Carbon disulfide		25.0	50.0	100	U
56-23-5	Carbon tetrachloride		25.0	50.0	100	U
108-90-7	Chlorobenzene		25.0	50.0	100	U
75-00-3	Chloroethane		50.0	100	200	U
67-66-3	Chloroform		25.0	50.0	100	U
74-87-3	Chloromethane		25.0	50.0	100	UX
95-49-8	2-Chlorotoluene		25.0	50.0	100	U
106-43-4	4-Chlorotoluene		25.0	50.0	100	U
124-48-1	Dibromochloromethane		25.0	50.0	100	U
96-12-8	1,2-Dibromo-3-chloropropane		50.0	100	200	U
106-93-4	1,2-Dibromoethane (EDB)	**155**	25.0	50.0	100	D
74-95-3	Dibromomethane		25.0	50.0	100	U
95-50-1	1,2-Dichlorobenzene		25.0	50.0	100	U
541-73-1	1,3-Dichlorobenzene		25.0	50.0	100	U
106-46-7	1,4-Dichlorobenzene		25.0	50.0	100	U
75-71-8	Dichlorodifluoromethane		50.0	100	200	UX
75-34-3	1,1-Dichloroethane		25.0	50.0	100	U
107-06-2	1,2-Dichloroethane		25.0	50.0	100	U
75-35-4	1,1-Dichloroethene		25.0	50.0	100	U
156-59-2	cis-1,2-Dichloroethene		25.0	50.0	100	U
156-60-5	trans-1,2-Dichloroethene		25.0	50.0	100	U
78-87-5	1,2-Dichloropropane		25.0	50.0	100	U
142-28-9	1,3-Dichloropropane		25.0	50.0	100	U
594-20-7	2,2-Dichloropropane		25.0	50.0	100	U
563-58-6	1,1-Dichloropropene		25.0	50.0	100	U
10061-01-5	cis-1,3-Dichloropropene		25.0	50.0	100	U
10061-02-6	trans-1,3-Dichloropropene		25.0	50.0	100	U
100-41-4	Ethylbenzene	**1060**	25.0	50.0	100	D
87-68-3	Hexachlorobutadiene		25.0	50.0	200	U

ANALYSIS DATA SHEET

GW0945

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-13RE1 File ID: 0202313D.D

Sampled: 02/04/13 16:25 Prepared: 02/08/13 20:53 Analyzed: 02/08/13 20:53

Solids: Preparation: 5030B Dilution: 100

Batch: 3B08006 Sequence: 3B04205 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**295**	125	250	500	JD
98-82-8	Isopropylbenzene	**68.0**	25.0	50.0	100	JD
99-87-6	p-Isopropyltoluene		25.0	50.0	100	U
75-09-2	Methylene chloride		50.0	100	200	U
91-20-3	Naphthalene	**80.0**	25.0	50.0	200	JD
108-10-1	4-Methyl-2-pentanone	**193**	125	250	500	JD
1634-04-4	Methyl t-Butyl Ether		25.0	50.0	100	U
103-65-1	n-Propylbenzene	**90.0**	25.0	50.0	100	JD
100-42-5	Styrene		25.0	50.0	100	U
79-34-5	1,1,2,2-Tetrachloroethane		25.0	50.0	100	U
630-20-6	1,1,1,2-Tetrachloroethane		25.0	50.0	100	U
127-18-4	Tetrachloroethene		25.0	50.0	100	U
108-88-3	Toluene	**11000**	25.0	50.0	100	D
87-61-6	1,2,3-Trichlorobenzene		25.0	50.0	200	U
120-82-1	1,2,4-Trichlorobenzene		25.0	50.0	200	U
79-00-5	1,1,2-Trichloroethane		25.0	50.0	100	U
71-55-6	1,1,1-Trichloroethane		25.0	50.0	100	U
79-01-6	Trichloroethene		25.0	50.0	100	U
75-69-4	Trichlorofluoromethane		50.0	100	200	U
96-18-4	1,2,3-Trichloropropane		50.0	100	200	U
108-67-8	1,3,5-Trimethylbenzene	**104**	25.0	50.0	100	D
95-63-6	1,2,4-Trimethylbenzene	**337**	25.0	50.0	100	D
75-01-4	Vinyl chloride		25.0	50.0	100	U
1330-20-7	Xylenes (total)	**3720**	75.0	150	300	D

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.33	94.4	75 - 120	
Dibromofluoromethane	30.00	28.37	94.6	85 - 115	
1,2-Dichloroethane-d4	30.00	28.24	94.1	70 - 120	
Toluene-d8	30.00	29.37	97.9	85 - 120	

ANALYSIS DATA SHEET

GW0968

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-15 File ID: 0202315D.D

Sampled: 02/05/13 15:12 Prepared: 02/07/13 18:53 Analyzed: 02/07/13 18:53

Solids: Preparation: 5030B Dilution: 10

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		25.0	50.0	100	U
71-43-2	Benzene	**1960**	2.50	5.00	10.0	D
108-86-1	Bromobenzene		2.50	5.00	10.0	U
74-97-5	Bromochloromethane		2.50	5.00	10.0	U
75-27-4	Bromodichloromethane		2.50	5.00	10.0	U
75-25-2	Bromoform		2.50	5.00	10.0	U
74-83-9	Bromomethane		5.00	10.0	20.0	U
104-51-8	n-Butylbenzene		2.50	5.00	10.0	U
78-93-3	2-Butanone		25.0	50.0	100	U
135-98-8	sec-Butylbenzene	**4.00**	2.50	5.00	10.0	JD
98-06-6	tert-Butylbenzene		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		2.50	5.00	10.0	U
56-23-5	Carbon tetrachloride		2.50	5.00	10.0	U
108-90-7	Chlorobenzene		2.50	5.00	10.0	U
75-00-3	Chloroethane		5.00	10.0	20.0	U
67-66-3	Chloroform		2.50	5.00	10.0	U
74-87-3	Chloromethane		2.50	5.00	10.0	UX
95-49-8	2-Chlorotoluene		2.50	5.00	10.0	U
106-43-4	4-Chlorotoluene		2.50	5.00	10.0	U
124-48-1	Dibromochloromethane		2.50	5.00	10.0	U
96-12-8	1,2-Dibromo-3-chloropropane		5.00	10.0	20.0	U
106-93-4	1,2-Dibromoethane (EDB)		2.50	5.00	10.0	U
74-95-3	Dibromomethane		2.50	5.00	10.0	U
95-50-1	1,2-Dichlorobenzene		2.50	5.00	10.0	U
541-73-1	1,3-Dichlorobenzene		2.50	5.00	10.0	U
106-46-7	1,4-Dichlorobenzene		2.50	5.00	10.0	U
75-71-8	Dichlorodifluoromethane		5.00	10.0	20.0	UX
75-34-3	1,1-Dichloroethane		2.50	5.00	10.0	U
107-06-2	1,2-Dichloroethane	**4.30**	2.50	5.00	10.0	JD
75-35-4	1,1-Dichloroethene		2.50	5.00	10.0	U
156-59-2	cis-1,2-Dichloroethene		2.50	5.00	10.0	U
156-60-5	trans-1,2-Dichloroethene		2.50	5.00	10.0	U
78-87-5	1,2-Dichloropropane		2.50	5.00	10.0	U
142-28-9	1,3-Dichloropropane		2.50	5.00	10.0	U
594-20-7	2,2-Dichloropropane		2.50	5.00	10.0	U
563-58-6	1,1-Dichloropropene		2.50	5.00	10.0	U
10061-01-5	cis-1,3-Dichloropropene		2.50	5.00	10.0	U
10061-02-6	trans-1,3-Dichloropropene		2.50	5.00	10.0	U
100-41-4	Ethylbenzene	**607**	2.50	5.00	10.0	D
87-68-3	Hexachlorobutadiene		2.50	5.00	20.0	U

ANALYSIS DATA SHEET

GW0968

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-15 File ID: 0202315D.D

Sampled: 02/05/13 15:12 Prepared: 02/07/13 18:53 Analyzed: 02/07/13 18:53

Solids: Preparation: 5030B Dilution: 10

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		12.5	25.0	50.0	U
98-82-8	Isopropylbenzene	**37.1**	2.50	5.00	10.0	D
99-87-6	p-Isopropyltoluene	**4.50**	2.50	5.00	10.0	JD
75-09-2	Methylene chloride		5.00	10.0	20.0	U
91-20-3	Naphthalene	**37.9**	2.50	5.00	20.0	D
108-10-1	4-Methyl-2-pentanone	**57.7**	12.5	25.0	50.0	D
1634-04-4	Methyl t-Butyl Ether		2.50	5.00	10.0	U
103-65-1	n-Propylbenzene	**38.7**	2.50	5.00	10.0	D
100-42-5	Styrene		2.50	5.00	10.0	U
79-34-5	1,1,2,2-Tetrachloroethane		2.50	5.00	10.0	U
630-20-6	1,1,1,2-Tetrachloroethane		2.50	5.00	10.0	U
127-18-4	Tetrachloroethene		2.50	5.00	10.0	U
108-88-3	Toluene	**180**	2.50	5.00	10.0	D
87-61-6	1,2,3-Trichlorobenzene		2.50	5.00	20.0	U
120-82-1	1,2,4-Trichlorobenzene		2.50	5.00	20.0	U
79-00-5	1,1,2-Trichloroethane		2.50	5.00	10.0	U
71-55-6	1,1,1-Trichloroethane		2.50	5.00	10.0	U
79-01-6	Trichloroethene		2.50	5.00	10.0	U
75-69-4	Trichlorofluoromethane		5.00	10.0	20.0	U
96-18-4	1,2,3-Trichloropropane		5.00	10.0	20.0	U
108-67-8	1,3,5-Trimethylbenzene	**21.9**	2.50	5.00	10.0	D
95-63-6	1,2,4-Trimethylbenzene	**27.8**	2.50	5.00	10.0	D
75-01-4	Vinyl chloride		2.50	5.00	10.0	U
1330-20-7	Xylenes (total)	**74.8**	7.50	15.0	30.0	D

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.41	94.7	75 - 120	
Dibromofluoromethane	30.00	28.01	93.4	85 - 115	
1,2-Dichloroethane-d4	30.00	27.73	92.4	70 - 120	
Toluene-d8	30.00	29.68	98.9	85 - 120	

ANALYSIS DATA SHEET

GW0969

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-17 File ID: 0202317D.D

Sampled: 02/05/13 13:04 Prepared: 02/07/13 16:06 Analyzed: 02/07/13 16:06

Solids: Preparation: 5030B Dilution: 5

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**18.3**	12.5	25.0	50.0	JD
71-43-2	Benzene	**534**	1.25	2.50	5.00	D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene	**2.75**	1.25	2.50	5.00	JD
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	UX
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	UX
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane	**3.05**	1.25	2.50	5.00	JD
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	**361**	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0969

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-17 File ID: 0202317D.D

Sampled: 02/05/13 13:04 Prepared: 02/07/13 16:06 Analyzed: 02/07/13 16:06

Solids: Preparation: 5030B Dilution: 5

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	**23.8**	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	**3.10**	1.25	2.50	5.00	JD
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene	**21.0**	1.25	2.50	10.0	D
108-10-1	4-Methyl-2-pentanone	**30.2**	6.25	12.5	25.0	D
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	**25.2**	1.25	2.50	5.00	D
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene	**75.7**	1.25	2.50	5.00	D
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	**19.4**	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	**16.4**	1.25	2.50	5.00	D
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)	**19.4**	3.75	7.50	15.0	D

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.04	93.5	75 - 120	
Dibromofluoromethane	30.00	28.60	95.3	85 - 115	
1,2-Dichloroethane-d4	30.00	28.55	95.2	70 - 120	
Toluene-d8	30.00	29.37	97.9	85 - 120	

ANALYSIS DATA SHEET

GW0970

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-19 File ID: 0202319D.D

Sampled: 02/05/13 13:04 Prepared: 02/07/13 16:34 Analyzed: 02/07/13 16:34

Solids: Preparation: 5030B Dilution: 5

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**17.3**	12.5	25.0	50.0	JD
71-43-2	Benzene	**521**	1.25	2.50	5.00	D
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene	**2.75**	1.25	2.50	5.00	JD
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	UX
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	UX
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane	**3.00**	1.25	2.50	5.00	JD
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene	**362**	1.25	2.50	5.00	D
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0970

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-19 File ID: 0202319D.D

Sampled: 02/05/13 13:04 Prepared: 02/07/13 16:34 Analyzed: 02/07/13 16:34

Solids: Preparation: 5030B Dilution: 5

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	**24.3**	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	**3.20**	1.25	2.50	5.00	JD
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene	**23.7**	1.25	2.50	10.0	D
108-10-1	4-Methyl-2-pentanone	**30.5**	6.25	12.5	25.0	D
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene	**24.4**	1.25	2.50	5.00	D
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene	**74.2**	1.25	2.50	5.00	D
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene	**19.8**	1.25	2.50	5.00	D
95-63-6	1,2,4-Trimethylbenzene	**15.7**	1.25	2.50	5.00	D
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)	**19.2**	3.75	7.50	15.0	D

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.24	94.1	75 - 120	
Dibromofluoromethane	30.00	28.59	95.3	85 - 115	
1,2-Dichloroethane-d4	30.00	28.72	95.7	70 - 120	
Toluene-d8	30.00	29.77	99.2	85 - 120	

ANALYSIS DATA SHEET

GW0971

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-21 File ID: 0202321.D

Sampled: 02/05/13 10:54 Prepared: 02/07/13 17:01 Analyzed: 02/07/13 17:01

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0971

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-21 File ID: 0202321.D

Sampled: 02/05/13 10:54 Prepared: 02/07/13 17:01 Analyzed: 02/07/13 17:01

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.21	94.0	75 - 120	
Dibromofluoromethane	30.00	28.79	96.0	85 - 115	
1,2-Dichloroethane-d4	30.00	28.54	95.1	70 - 120	
Toluene-d8	30.00	29.44	98.1	85 - 120	

ANALYSIS DATA SHEET

GW0983

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-23 File ID: 0202323D.D

Sampled: 02/04/13 13:19 Prepared: 02/07/13 17:29 Analyzed: 02/07/13 17:29

Solids: Preparation: 5030B Dilution: 5

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		12.5	25.0	50.0	U
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	UX
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	UX
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0983

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-23 File ID: 0202323D.D

Sampled: 02/04/13 13:19 Prepared: 02/07/13 17:29 Analyzed: 02/07/13 17:29

Solids: Preparation: 5030B Dilution: 5

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	**1.90**	1.25	2.50	5.00	JD
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene		1.25	2.50	5.00	U
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.40	91.3	75 - 120	
Dibromofluoromethane	30.00	28.47	94.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.50	95.0	70 - 120	
Toluene-d8	30.00	29.84	99.5	85 - 120	

ANALYSIS DATA SHEET

GW0984

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-25 File ID: 0202325.D

Sampled: 02/05/13 11:05 Prepared: 02/07/13 17:57 Analyzed: 02/07/13 17:57

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0984

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-25 File ID: 0202325.D

Sampled: 02/05/13 11:05 Prepared: 02/07/13 17:57 Analyzed: 02/07/13 17:57

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.01	93.4	75 - 120	
Dibromofluoromethane	30.00	28.37	94.6	85 - 115	
1,2-Dichloroethane-d4	30.00	28.93	96.4	70 - 120	
Toluene-d8	30.00	29.75	99.2	85 - 120	

ANALYSIS DATA SHEET

GW8069-AB

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-27 File ID: 0202327.D

Sampled: 02/05/13 14:38 Prepared: 02/07/13 12:50 Analyzed: 02/07/13 12:50

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8069-AB

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-27 File ID: 0202327.D

Sampled: 02/05/13 14:38 Prepared: 02/07/13 12:50 Analyzed: 02/07/13 12:50

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.67	92.2	75 - 120	
Dibromofluoromethane	30.00	27.63	92.1	85 - 115	
1,2-Dichloroethane-d4	30.00	27.97	93.2	70 - 120	
Toluene-d8	30.00	29.17	97.2	85 - 120	

ANALYSIS DATA SHEET

GW8256-TB

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-28 File ID: 0202328.D

Sampled: 02/04/13 08:00 Prepared: 02/07/13 12:22 Analyzed: 02/07/13 12:22

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8256-TB

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302023-28 File ID: 0202328.D

Sampled: 02/04/13 08:00 Prepared: 02/07/13 12:22 Analyzed: 02/07/13 12:22

Solids: Preparation: 5030B Dilution: 1

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.25	94.2	75 - 120	
Dibromofluoromethane	30.00	28.19	94.0	85 - 115	
1,2-Dichloroethane-d4	30.00	28.41	94.7	70 - 120	
Toluene-d8	30.00	29.89	99.6	85 - 120	

ANALYSIS DATA SHEET

GW0907

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-01 File ID: 0204801.D

Sampled: 02/07/13 14:18 Prepared: 02/14/13 12:53 Analyzed: 02/14/13 12:53

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene	**0.670**	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0907

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-01 File ID: 0204801.D

Sampled: 02/07/13 14:18 Prepared: 02/14/13 12:53 Analyzed: 02/14/13 12:53

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.96	96.5	75 - 120	
Dibromofluoromethane	30.00	28.28	94.3	85 - 115	
1,2-Dichloroethane-d4	30.00	27.98	93.3	70 - 120	
Toluene-d8	30.00	28.90	96.3	85 - 120	

ANALYSIS DATA SHEET

GW0911

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-03 File ID: 0204803.D

Sampled: 02/07/13 11:07 Prepared: 02/14/13 13:21 Analyzed: 02/14/13 13:21

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0911

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-03 File ID: 0204803.D

Sampled: 02/07/13 11:07 Prepared: 02/14/13 13:21 Analyzed: 02/14/13 13:21

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.98	93.3	75 - 120	
Dibromofluoromethane	30.00	27.94	93.1	85 - 115	
1,2-Dichloroethane-d4	30.00	27.06	90.2	70 - 120	
Toluene-d8	30.00	29.54	98.5	85 - 120	

ANALYSIS DATA SHEET

GW0912

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-05 File ID: 0204805.D

Sampled: 02/07/13 11:07 Prepared: 02/14/13 13:49 Analyzed: 02/14/13 13:49

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0912

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-05 File ID: 0204805.D

Sampled: 02/07/13 11:07 Prepared: 02/14/13 13:49 Analyzed: 02/14/13 13:49

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.22	94.1	75 - 120	
Dibromofluoromethane	30.00	28.35	94.5	85 - 115	
1,2-Dichloroethane-d4	30.00	28.12	93.7	70 - 120	
Toluene-d8	30.00	29.37	97.9	85 - 120	

ANALYSIS DATA SHEET

GW0962

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-07 File ID: 0204807D.D

Sampled: 02/06/13 12:54 Prepared: 02/14/13 14:17 Analyzed: 02/14/13 14:17

Solids: Preparation: 5030B Dilution: 5

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		12.5	25.0	50.0	U
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	UX
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0962

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-07 File ID: 0204807D.D

Sampled: 02/06/13 12:54 Prepared: 02/14/13 14:17 Analyzed: 02/14/13 14:17

Solids: Preparation: 5030B Dilution: 5

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	**5.90**	1.25	2.50	5.00	D
99-87-6	p-Isopropyltoluene	**3.50**	1.25	2.50	5.00	JD
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene		1.25	2.50	5.00	U
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	U
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.42	94.7	75 - 120	
Dibromofluoromethane	30.00	28.11	93.7	85 - 115	
1,2-Dichloroethane-d4	30.00	28.07	93.6	70 - 120	
Toluene-d8	30.00	29.35	97.8	85 - 120	

ANALYSIS DATA SHEET

GW0963

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-09 File ID: 0204809.D

Sampled: 02/06/13 10:51 Prepared: 02/14/13 14:45 Analyzed: 02/14/13 14:45

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0963

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-09 File ID: 0204809.D

Sampled: 02/06/13 10:51 Prepared: 02/14/13 14:45 Analyzed: 02/14/13 14:45

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.42	94.7	75 - 120	
Dibromofluoromethane	30.00	28.27	94.2	85 - 115	
1,2-Dichloroethane-d4	30.00	28.94	96.5	70 - 120	
Toluene-d8	30.00	29.06	96.9	85 - 120	

ANALYSIS DATA SHEET

GW0964

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-11 File ID: 0204811.D

Sampled: 02/06/13 14:59 Prepared: 02/14/13 15:13 Analyzed: 02/14/13 15:13

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**2.51**	2.50	5.00	10.0	J
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	**0.330**	0.250	0.500	1.00	J
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0964

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-11 File ID: 0204811.D

Sampled: 02/06/13 14:59 Prepared: 02/14/13 15:13 Analyzed: 02/14/13 15:13

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	**0.570**	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.81	96.0	75 - 120	
Dibromofluoromethane	30.00	28.70	95.7	85 - 115	
1,2-Dichloroethane-d4	30.00	28.80	96.0	70 - 120	
Toluene-d8	30.00	29.01	96.7	85 - 120	

ANALYSIS DATA SHEET

GW0967

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-13 File ID: 0204813.D

Sampled: 02/07/13 11:51 Prepared: 02/14/13 15:40 Analyzed: 02/14/13 15:40

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0967

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-13 File ID: 0204813.D

Sampled: 02/07/13 11:51 Prepared: 02/14/13 15:40 Analyzed: 02/14/13 15:40

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.32	94.4	75 - 120	
Dibromofluoromethane	30.00	28.23	94.1	85 - 115	
1,2-Dichloroethane-d4	30.00	27.26	90.9	70 - 120	
Toluene-d8	30.00	29.23	97.4	85 - 120	

ANALYSIS DATA SHEET

GW0991

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-15 File ID: 0204815.D

Sampled: 02/06/13 14:35 Prepared: 02/14/13 16:08 Analyzed: 02/14/13 16:08

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0991

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-15 File ID: 0204815.D

Sampled: 02/06/13 14:35 Prepared: 02/14/13 16:08 Analyzed: 02/14/13 16:08

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	**0.410**	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.20	94.0	75 - 120	
Dibromofluoromethane	30.00	28.11	93.7	85 - 115	
1,2-Dichloroethane-d4	30.00	29.56	98.5	70 - 120	
Toluene-d8	30.00	28.88	96.3	85 - 120	

ANALYSIS DATA SHEET

GW0992

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-17 File ID: 0204817.D

Sampled: 02/06/13 12:20 Prepared: 02/14/13 16:36 Analyzed: 02/14/13 16:36

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0992

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-17 File ID: 0204817.D

Sampled: 02/06/13 12:20 Prepared: 02/14/13 16:36 Analyzed: 02/14/13 16:36

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	**0.370**	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.99	96.6	75 - 120	
Dibromofluoromethane	30.00	28.32	94.4	85 - 115	
1,2-Dichloroethane-d4	30.00	28.27	94.2	70 - 120	
Toluene-d8	30.00	29.71	99.0	85 - 120	

ANALYSIS DATA SHEET

GW0993

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-19 File ID: 0204819.D

Sampled: 02/06/13 12:20 Prepared: 02/14/13 17:04 Analyzed: 02/14/13 17:04

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0993

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-19 File ID: 0204819.D

Sampled: 02/06/13 12:20 Prepared: 02/14/13 17:04 Analyzed: 02/14/13 17:04

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	**0.440**	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.08	93.6	75 - 120	
Dibromofluoromethane	30.00	28.23	94.1	85 - 115	
1,2-Dichloroethane-d4	30.00	28.79	96.0	70 - 120	
Toluene-d8	30.00	28.81	96.0	85 - 120	

ANALYSIS DATA SHEET

GW0994

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-21 File ID: 0204821.D

Sampled: 02/06/13 10:12 Prepared: 02/14/13 17:32 Analyzed: 02/14/13 17:32

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0994

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-21 File ID: 0204821.D

Sampled: 02/06/13 10:12 Prepared: 02/14/13 17:32 Analyzed: 02/14/13 17:32

Solids: Preparation: 5030B Dilution: 1

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	**0.290**	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.73	95.8	75 - 120	
Dibromofluoromethane	30.00	28.61	95.4	85 - 115	
1,2-Dichloroethane-d4	30.00	28.46	94.9	70 - 120	
Toluene-d8	30.00	29.68	98.9	85 - 120	

ANALYSIS DATA SHEET

GW8257-TB

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-23 File ID: 0204823.D

Sampled: 02/06/13 08:00 Prepared: 02/11/13 09:53 Analyzed: 02/11/13 09:53

Solids: Preparation: 5030B Dilution: 1

Batch: 3B11006 Sequence: 3B04302 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW8257-TB

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Water Laboratory ID: 1302048-23 File ID: 0204823.D

Sampled: 02/06/13 08:00 Prepared: 02/11/13 09:53 Analyzed: 02/11/13 09:53

Solids: Preparation: 5030B Dilution: 1

Batch: 3B11006 Sequence: 3B04302 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.30	94.3	75 - 120	
Dibromofluoromethane	30.00	28.56	95.2	85 - 115	
1,2-Dichloroethane-d4	30.00	28.58	95.3	70 - 120	
Toluene-d8	30.00	29.34	97.8	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B03901
Instrument: MS-VOA5
Calibration: 3015001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (3B03901-CCV1) ug/L				Lab File ID: 0207CCV1.D		Analyzed: 02/07/13 09:56		
Bromofluorobenzene	30.00	98.0	80 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.4	80 - 120	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.3	80 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.31	9.31	0.0000	+/-1.000	
LCS (3B07012-BS1) ug/L				Lab File ID: 0207LCS1.D		Analyzed: 02/07/13 10:31		
Bromofluorobenzene	30.00	98.5	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.9	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.3	70 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.31	9.31	0.0000	+/-1.000	
Blank (3B07012-BLK1) ug/L				Lab File ID: 0207BLK1.D		Analyzed: 02/07/13 11:54		
Bromofluorobenzene	30.00	94.5	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.4	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	99.0	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW8256-TB (1302023-28) ug/L				Lab File ID: 0202328.D		Analyzed: 02/07/13 12:22		
Bromofluorobenzene	30.00	94.2	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.0	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.7	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW8069-AB (1302023-27) ug/L				Lab File ID: 0202327.D		Analyzed: 02/07/13 12:50		
Bromofluorobenzene	30.00	92.2	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	92.1	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.2	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	97.2	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0919 (1302023-01) ug/L				Lab File ID: 0202301.D		Analyzed: 02/07/13 13:18		
Bromofluorobenzene	30.00	94.4	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.4	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.3	70 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	99.5	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0920 (1302023-03) ug/L				Lab File ID: 0202303.D		Analyzed: 02/07/13 13:46		
Bromofluorobenzene	30.00	94.6	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.0	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.7	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.31	9.31	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B03901
Instrument: MS-VOA5
Calibration: 3015001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0921 (1302023-05) ug/L				Lab File ID: 0202305.D		Analyzed: 02/07/13 14:14		
Bromofluorobenzene	30.00	93.7	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	93.9	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.8	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	99.6	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0936 (1302023-07) ug/L				Lab File ID: 0202307.D		Analyzed: 02/07/13 14:42		
Bromofluorobenzene	30.00	93.1	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.2	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.9	70 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0937 (1302023-09) ug/L				Lab File ID: 0202309.D		Analyzed: 02/07/13 15:10		
Bromofluorobenzene	30.00	93.3	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.5	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.9	70 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	98.8	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0938 (1302023-11) ug/L				Lab File ID: 0202311.D		Analyzed: 02/07/13 15:38		
Bromofluorobenzene	30.00	92.6	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.7	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.7	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	99.5	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0969 (1302023-17) ug/L				Lab File ID: 0202317D.D		Analyzed: 02/07/13 16:06		
Bromofluorobenzene	30.00	93.5	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.3	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.2	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0970 (1302023-19) ug/L				Lab File ID: 0202319D.D		Analyzed: 02/07/13 16:34		
Bromofluorobenzene	30.00	94.1	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.3	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.7	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	99.2	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0971 (1302023-21) ug/L				Lab File ID: 0202321.D		Analyzed: 02/07/13 17:01		
Bromofluorobenzene	30.00	94.0	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.0	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.1	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	98.1	85 - 120	9.31	9.31	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B03901
Instrument: MS-VOA5
Calibration: 3015001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0983 (1302023-23) ug/L				Lab File ID: 0202323D.D		Analyzed: 02/07/13 17:29		
Bromofluorobenzene	30.00	91.3	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.9	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.0	70 - 120	7.08	7.06	0.0200	+/-1.000	
Toluene-d8	30.00	99.5	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0984 (1302023-25) ug/L				Lab File ID: 0202325.D		Analyzed: 02/07/13 17:57		
Bromofluorobenzene	30.00	93.4	75 - 120	11.95	11.94	0.0100	+/-1.000	
Dibromofluoromethane	30.00	94.6	85 - 115	6.57	6.56	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.4	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	99.2	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0968 (1302023-15) ug/L				Lab File ID: 0202315D.D		Analyzed: 02/07/13 18:53		
Bromofluorobenzene	30.00	94.7	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	93.4	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.4	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	98.9	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0945 (1302023-13) ug/L				Lab File ID: 0202313D.D		Analyzed: 02/07/13 19:21		
Bromofluorobenzene	30.00	94.2	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.7	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.3	70 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	98.5	85 - 120	9.31	9.31	0.0000	+/-1.000	
Matrix Spike (3B07012-MS1) ug/L				Lab File ID: 0202309M.D		Analyzed: 02/07/13 20:17		
Bromofluorobenzene	30.00	96.3	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	96.9	85 - 115	6.57	6.56	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.2	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.3	9.31	-0.0100	+/-1.000	
Matrix Spike Dup (3B07012-MSD1) ug/L				Lab File ID: 0202309S.D		Analyzed: 02/07/13 20:44		
Bromofluorobenzene	30.00	95.3	75 - 120	11.95	11.94	0.0100	+/-1.000	
Dibromofluoromethane	30.00	97.2	85 - 115	6.57	6.56	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.4	70 - 120	7.07	7.06	0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.31	9.31	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04205
Instrument: MS-VOA5
Calibration: 3015001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (3B04205-CCV1) ug/L				Lab File ID: 0208CCV1.D		Analyzed: 02/08/13 10:02		
Bromofluorobenzene	30.00	98.9	80 - 120	11.93	11.93	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.2	80 - 120	6.55	6.55	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.7	80 - 120	7.05	7.05	0.0000	+/-1.000	
Toluene-d8	30.00	99.0	80 - 120	9.3	9.3	0.0000	+/-1.000	
LCS (3B08006-BS1) ug/L				Lab File ID: 0208LCS1.D		Analyzed: 02/08/13 10:31		
Bromofluorobenzene	30.00	96.2	75 - 120	11.93	11.93	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.2	85 - 115	6.55	6.55	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.5	70 - 120	7.05	7.05	0.0000	+/-1.000	
Toluene-d8	30.00	98.1	85 - 120	9.3	9.3	0.0000	+/-1.000	
Blank (3B08006-BLK1) ug/L				Lab File ID: 0208BLK1.D		Analyzed: 02/08/13 11:55		
Bromofluorobenzene	30.00	93.4	75 - 120	11.93	11.93	0.0000	+/-1.000	
Dibromofluoromethane	30.00	93.9	85 - 115	6.54	6.55	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.9	70 - 120	7.05	7.05	0.0000	+/-1.000	
Toluene-d8	30.00	98.5	85 - 120	9.3	9.3	0.0000	+/-1.000	
GW0945 (1302023-13RE1) ug/L				Lab File ID: 0202313D.D		Analyzed: 02/08/13 20:53		
Bromofluorobenzene	30.00	94.4	75 - 120	11.93	11.93	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.6	85 - 115	6.55	6.55	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.1	70 - 120	7.05	7.05	0.0000	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.3	9.3	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04302
Instrument: MS-VOA5
Calibration: 3015001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (3B04302-CCV1) ug/L				Lab File ID: 0211CCV1.D		Analyzed: 02/11/13 07:34		
Bromofluorobenzene	30.00	99.1	80 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.9	80 - 120	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.1	80 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	98.7	80 - 120	9.31	9.31	0.0000	+/-1.000	
LCS (3B11006-BS1) ug/L				Lab File ID: 0211LCS1.D		Analyzed: 02/11/13 08:02		
Bromofluorobenzene	30.00	98.4	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.4	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	91.7	70 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	98.7	85 - 120	9.31	9.31	0.0000	+/-1.000	
Blank (3B11006-BLK1) ug/L				Lab File ID: 0211BLK1.D		Analyzed: 02/11/13 09:25		
Bromofluorobenzene	30.00	95.5	75 - 120	11.93	11.94	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	95.8	85 - 115	6.55	6.56	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.4	70 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	98.1	85 - 120	9.3	9.31	-0.0100	+/-1.000	
GW8257-TB (1302048-23) ug/L				Lab File ID: 0204823.D		Analyzed: 02/11/13 09:53		
Bromofluorobenzene	30.00	94.3	75 - 120	11.94	11.94	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.2	85 - 115	6.56	6.56	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.3	70 - 120	7.06	7.06	0.0000	+/-1.000	
Toluene-d8	30.00	97.8	85 - 120	9.3	9.31	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04601
Instrument: MS-VOA5
Calibration: 3015001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (3B04601-CCV1) ug/L				Lab File ID: 0214CCV1.D		Analyzed: 02/14/13 10:04		
Bromofluorobenzene	30.00	101	80 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.8	80 - 120	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.5	80 - 120	7.07	7.07	0.0000	+/-1.000	
Toluene-d8	30.00	98.1	80 - 120	9.31	9.31	0.0000	+/-1.000	
LCS (3B14017-BS1) ug/L				Lab File ID: 0214LCS1.D		Analyzed: 02/14/13 10:33		
Bromofluorobenzene	30.00	96.1	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	93.7	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.0	70 - 120	7.06	7.07	-0.0100	+/-1.000	
Toluene-d8	30.00	99.0	85 - 120	9.31	9.31	0.0000	+/-1.000	
Blank (3B14017-BLK1) ug/L				Lab File ID: 0214BLK1.D		Analyzed: 02/14/13 11:57		
Bromofluorobenzene	30.00	94.6	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	93.5	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.6	70 - 120	7.06	7.07	-0.0100	+/-1.000	
Toluene-d8	30.00	99.1	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0907 (1302048-01) ug/L				Lab File ID: 0204801.D		Analyzed: 02/14/13 12:53		
Bromofluorobenzene	30.00	96.5	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	94.3	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.3	70 - 120	7.07	7.07	0.0000	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0911 (1302048-03) ug/L				Lab File ID: 0204803.D		Analyzed: 02/14/13 13:21		
Bromofluorobenzene	30.00	93.3	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	93.1	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	90.2	70 - 120	7.06	7.07	-0.0100	+/-1.000	
Toluene-d8	30.00	98.5	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0912 (1302048-05) ug/L				Lab File ID: 0204805.D		Analyzed: 02/14/13 13:49		
Bromofluorobenzene	30.00	94.1	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	94.5	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.7	70 - 120	7.07	7.07	0.0000	+/-1.000	
Toluene-d8	30.00	97.9	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0962 (1302048-07) ug/L				Lab File ID: 0204807D.D		Analyzed: 02/14/13 14:17		
Bromofluorobenzene	30.00	94.7	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	93.7	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.6	70 - 120	7.07	7.07	0.0000	+/-1.000	
Toluene-d8	30.00	97.8	85 - 120	9.31	9.31	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04601
Instrument: MS-VOA5
Calibration: 3015001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0963 (1302048-09) ug/L				Lab File ID: 0204809.D		Analyzed: 02/14/13 14:45		
Bromofluorobenzene	30.00	94.7	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	94.2	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.5	70 - 120	7.07	7.07	0.0000	+/-1.000	
Toluene-d8	30.00	96.9	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0964 (1302048-11) ug/L				Lab File ID: 0204811.D		Analyzed: 02/14/13 15:13		
Bromofluorobenzene	30.00	96.0	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	95.7	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.0	70 - 120	7.07	7.07	0.0000	+/-1.000	
Toluene-d8	30.00	96.7	85 - 120	9.3	9.31	-0.0100	+/-1.000	
GW0967 (1302048-13) ug/L				Lab File ID: 0204813.D		Analyzed: 02/14/13 15:40		
Bromofluorobenzene	30.00	94.4	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	94.1	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	90.9	70 - 120	7.06	7.07	-0.0100	+/-1.000	
Toluene-d8	30.00	97.4	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0991 (1302048-15) ug/L				Lab File ID: 0204815.D		Analyzed: 02/14/13 16:08		
Bromofluorobenzene	30.00	94.0	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	93.7	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.5	70 - 120	7.07	7.07	0.0000	+/-1.000	
Toluene-d8	30.00	96.3	85 - 120	9.3	9.31	-0.0100	+/-1.000	
GW0992 (1302048-17) ug/L				Lab File ID: 0204817.D		Analyzed: 02/14/13 16:36		
Bromofluorobenzene	30.00	96.6	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	94.4	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.2	70 - 120	7.06	7.07	-0.0100	+/-1.000	
Toluene-d8	30.00	99.0	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0993 (1302048-19) ug/L				Lab File ID: 0204819.D		Analyzed: 02/14/13 17:04		
Bromofluorobenzene	30.00	93.6	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	94.1	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	96.0	70 - 120	7.06	7.07	-0.0100	+/-1.000	
Toluene-d8	30.00	96.0	85 - 120	9.31	9.31	0.0000	+/-1.000	
GW0994 (1302048-21) ug/L				Lab File ID: 0204821.D		Analyzed: 02/14/13 17:32		
Bromofluorobenzene	30.00	95.8	75 - 120	11.93	11.95	-0.0200	+/-1.000	
Dibromofluoromethane	30.00	95.4	85 - 115	6.55	6.57	-0.0200	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.9	70 - 120	7.07	7.07	0.0000	+/-1.000	
Toluene-d8	30.00	98.9	85 - 120	9.3	9.31	-0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04601
Instrument: MS-VOA5
Calibration: 3015001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (3B14017-BSD1) ug/L				Lab File ID: 0214LCD1.D		Analyzed: 02/14/13 21:15		
Bromofluorobenzene	30.00	97.2	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	94.6	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	94.9	70 - 120	7.06	7.07	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.31	9.31	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B07012	Laboratory ID:	3B07012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	81.0	81.0	40 - 140
Benzene	50.00	50.0	99.9	80 - 120
Bromobenzene	50.00	52.4	105	75 - 125
Bromochloromethane	50.00	46.0	92.0	65 - 130
Bromodichloromethane	50.00	49.1	98.2	75 - 120
Bromoform	50.00	49.1	98.1	70 - 130
Bromomethane	50.00	49.7	99.4	30 - 145
n-Butylbenzene	50.00	47.2	94.4	70 - 135
2-Butanone	100.0	92.7	92.7	30 - 150
sec-Butylbenzene	50.00	48.7	97.4	70 - 125
tert-Butylbenzene	50.00	49.4	98.9	70 - 130
Carbon disulfide	50.00	44.7	89.3	35 - 160
Carbon tetrachloride	50.00	48.7	97.4	65 - 140
Chlorobenzene	50.00	47.0	94.1	80 - 120
Chloroethane	50.00	52.4	105	60 - 135
Chloroform	50.00	49.9	99.9	65 - 135
Chloromethane	50.00	54.4	109	40 - 125
2-Chlorotoluene	50.00	53.6	107	75 - 125
4-Chlorotoluene	50.00	50.5	101	75 - 130
Dibromochloromethane	50.00	48.1	96.2	60 - 135
1,2-Dibromo-3-chloropropane	50.00	50.5	101	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.0	98.1	80 - 120
Dibromomethane	50.00	47.9	95.7	75 - 125
1,2-Dichlorobenzene	50.00	47.9	95.9	70 - 120
1,3-Dichlorobenzene	50.00	46.8	93.7	75 - 125
1,4-Dichlorobenzene	50.00	51.1	102	75 - 125
Dichlorodifluoromethane	50.00	77.0	154	30 - 155
1,1-Dichloroethane	50.00	49.8	99.5	70 - 135
1,2-Dichloroethane	50.00	51.0	102	70 - 130
1,1-Dichloroethene	50.00	44.9	89.7	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B07012	Laboratory ID:	3B07012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	48.8	97.6	70 - 125
trans-1,2-Dichloroethene	50.00	49.0	98.1	60 - 140
1,2-Dichloropropane	50.00	50.4	101	75 - 125
1,3-Dichloropropane	50.00	52.9	106	75 - 125
2,2-Dichloropropane	50.00	55.7	111	70 - 135
1,1-Dichloropropene	50.00	49.7	99.3	75 - 130
cis-1,3-Dichloropropene	50.00	56.6	113	70 - 130
trans-1,3-Dichloropropene	50.00	53.8	108	55 - 140
Ethylbenzene	50.00	52.7	105	75 - 125
Hexachlorobutadiene	50.00	52.9	106	50 - 140
2-Hexanone	100.0	100	100	55 - 130
Isopropylbenzene	50.00	51.2	102	75 - 125
p-Isopropyltoluene	50.00	46.3	92.6	75 - 130
Methylene chloride	50.00	46.8	93.7	55 - 140
Naphthalene	50.00	42.4	84.9	55 - 140
4-Methyl-2-pentanone	100.0	99.0	99.0	60 - 135
Methyl t-Butyl Ether	50.00	50.0	100	65 - 125
n-Propylbenzene	50.00	52.7	105	70 - 130
Styrene	50.00	52.7	105	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.0	102	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.9	97.8	80 - 130
Tetrachloroethene	50.00	45.2	90.3	45 - 150
Toluene	50.00	53.0	106	75 - 120
1,2,3-Trichlorobenzene	50.00	44.8	89.5	55 - 140
1,2,4-Trichlorobenzene	50.00	43.6	87.3	65 - 135
1,1,2-Trichloroethane	50.00	52.1	104	75 - 125
1,1,1-Trichloroethane	50.00	50.4	101	65 - 130
Trichloroethene	50.00	49.4	98.7	70 - 125
Trichlorofluoromethane	50.00	51.8	104	60 - 145
1,2,3-Trichloropropane	50.00	48.1	96.1	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B07012	Laboratory ID:	3B07012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.5	107	75 - 130
1,2,4-Trimethylbenzene	50.00	49.6	99.3	75 - 130
Vinyl chloride	50.00	55.2	110	50 - 145
Xylenes (total)	150.0	152	101	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B08006	Laboratory ID:	3B08006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	88.4	88.4	40 - 140
Benzene	50.00	49.5	98.9	80 - 120
Bromobenzene	50.00	53.3	107	75 - 125
Bromochloromethane	50.00	45.2	90.5	65 - 130
Bromodichloromethane	50.00	49.8	99.5	75 - 120
Bromoform	50.00	49.8	99.6	70 - 130
Bromomethane	50.00	49.1	98.2	30 - 145
n-Butylbenzene	50.00	47.9	95.7	70 - 135
2-Butanone	100.0	103	103	30 - 150
sec-Butylbenzene	50.00	49.7	99.3	70 - 125
tert-Butylbenzene	50.00	49.1	98.2	70 - 130
Carbon disulfide	50.00	43.6	87.2	35 - 160
Carbon tetrachloride	50.00	48.9	97.7	65 - 140
Chlorobenzene	50.00	45.1	90.2	80 - 120
Chloroethane	50.00	53.6	107	60 - 135
Chloroform	50.00	49.8	99.7	65 - 135
Chloromethane	50.00	54.8	110	40 - 125
2-Chlorotoluene	50.00	54.1	108	75 - 125
4-Chlorotoluene	50.00	52.1	104	75 - 130
Dibromochloromethane	50.00	48.4	96.7	60 - 135
1,2-Dibromo-3-chloropropane	50.00	56.4	113	50 - 130
1,2-Dibromoethane (EDB)	50.00	47.5	94.9	80 - 120
Dibromomethane	50.00	48.3	96.7	75 - 125
1,2-Dichlorobenzene	50.00	48.9	97.8	70 - 120
1,3-Dichlorobenzene	50.00	48.5	97.1	75 - 125
1,4-Dichlorobenzene	50.00	52.2	104	75 - 125
Dichlorodifluoromethane	50.00	74.1	148	30 - 155
1,1-Dichloroethane	50.00	49.6	99.3	70 - 135
1,2-Dichloroethane	50.00	51.6	103	70 - 130
1,1-Dichloroethene	50.00	43.0	86.1	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B08006	Laboratory ID:	3B08006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	48.1	96.2	70 - 125
trans-1,2-Dichloroethene	50.00	47.5	94.9	60 - 140
1,2-Dichloropropane	50.00	49.9	99.8	75 - 125
1,3-Dichloropropane	50.00	51.7	103	75 - 125
2,2-Dichloropropane	50.00	55.1	110	70 - 135
1,1-Dichloropropene	50.00	50.0	99.9	75 - 130
cis-1,3-Dichloropropene	50.00	57.2	114	70 - 130
trans-1,3-Dichloropropene	50.00	53.8	108	55 - 140
Ethylbenzene	50.00	50.7	101	75 - 125
Hexachlorobutadiene	50.00	55.2	110	50 - 140
2-Hexanone	100.0	109	109	55 - 130
Isopropylbenzene	50.00	49.8	99.5	75 - 125
p-Isopropyltoluene	50.00	46.9	93.8	75 - 130
Methylene chloride	50.00	46.2	92.5	55 - 140
Naphthalene	50.00	41.8	83.5	55 - 140
4-Methyl-2-pentanone	100.0	108	108	60 - 135
Methyl t-Butyl Ether	50.00	52.8	106	65 - 125
n-Propylbenzene	50.00	53.8	108	70 - 130
Styrene	50.00	50.8	102	65 - 135
1,1,2,2-Tetrachloroethane	50.00	55.4	111	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.6	93.1	80 - 130
Tetrachloroethene	50.00	42.7	85.4	45 - 150
Toluene	50.00	50.9	102	75 - 120
1,2,3-Trichlorobenzene	50.00	45.3	90.6	55 - 140
1,2,4-Trichlorobenzene	50.00	44.6	89.3	65 - 135
1,1,2-Trichloroethane	50.00	51.3	103	75 - 125
1,1,1-Trichloroethane	50.00	50.3	101	65 - 130
Trichloroethene	50.00	48.2	96.4	70 - 125
Trichlorofluoromethane	50.00	50.0	100	60 - 145
1,2,3-Trichloropropane	50.00	48.7	97.4	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B08006	Laboratory ID:	3B08006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.9	108	75 - 130
1,2,4-Trimethylbenzene	50.00	49.7	99.4	75 - 130
Vinyl chloride	50.00	54.7	109	50 - 145
Xylenes (total)	150.0	148	98.7	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B11006	Laboratory ID:	3B11006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	85.6	85.6	40 - 140
Benzene	50.00	48.7	97.4	80 - 120
Bromobenzene	50.00	50.9	102	75 - 125
Bromochloromethane	50.00	43.8	87.6	65 - 130
Bromodichloromethane	50.00	49.1	98.2	75 - 120
Bromoform	50.00	46.4	92.8	70 - 130
Bromomethane	50.00	48.5	97.0	30 - 145
n-Butylbenzene	50.00	48.1	96.2	70 - 135
2-Butanone	100.0	99.4	99.4	30 - 150
sec-Butylbenzene	50.00	48.7	97.5	70 - 125
tert-Butylbenzene	50.00	48.8	97.7	70 - 130
Carbon disulfide	50.00	43.2	86.4	35 - 160
Carbon tetrachloride	50.00	50.8	102	65 - 140
Chlorobenzene	50.00	43.8	87.5	80 - 120
Chloroethane	50.00	52.7	105	60 - 135
Chloroform	50.00	48.8	97.6	65 - 135
Chloromethane	50.00	54.0	108	40 - 125
2-Chlorotoluene	50.00	52.6	105	75 - 125
4-Chlorotoluene	50.00	49.6	99.3	75 - 130
Dibromochloromethane	50.00	46.2	92.5	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.9	95.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	44.9	89.7	80 - 120
Dibromomethane	50.00	46.4	92.8	75 - 125
1,2-Dichlorobenzene	50.00	46.1	92.2	70 - 120
1,3-Dichlorobenzene	50.00	46.2	92.4	75 - 125
1,4-Dichlorobenzene	50.00	49.4	98.8	75 - 125
Dichlorodifluoromethane	50.00	76.9	154	30 - 155
1,1-Dichloroethane	50.00	48.6	97.2	70 - 135
1,2-Dichloroethane	50.00	50.0	100	70 - 130
1,1-Dichloroethene	50.00	42.6	85.2	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B11006	Laboratory ID:	3B11006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	46.8	93.5	70 - 125
trans-1,2-Dichloroethene	50.00	46.4	92.8	60 - 140
1,2-Dichloropropane	50.00	48.7	97.4	75 - 125
1,3-Dichloropropane	50.00	49.0	97.9	75 - 125
2,2-Dichloropropane	50.00	55.2	110	70 - 135
1,1-Dichloropropene	50.00	49.3	98.6	75 - 130
cis-1,3-Dichloropropene	50.00	54.9	110	70 - 130
trans-1,3-Dichloropropene	50.00	50.9	102	55 - 140
Ethylbenzene	50.00	50.5	101	75 - 125
Hexachlorobutadiene	50.00	53.4	107	50 - 140
2-Hexanone	100.0	106	106	55 - 130
Isopropylbenzene	50.00	50.0	99.9	75 - 125
p-Isopropyltoluene	50.00	46.5	92.9	75 - 130
Methylene chloride	50.00	44.3	88.6	55 - 140
Naphthalene	50.00	36.1	72.2	55 - 140
4-Methyl-2-pentanone	100.0	109	109	60 - 135
Methyl t-Butyl Ether	50.00	48.7	97.5	65 - 125
n-Propylbenzene	50.00	51.9	104	70 - 130
Styrene	50.00	49.3	98.6	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.5	99.1	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.0	92.0	80 - 130
Tetrachloroethene	50.00	42.6	85.2	45 - 150
Toluene	50.00	49.6	99.3	75 - 120
1,2,3-Trichlorobenzene	50.00	42.0	84.0	55 - 140
1,2,4-Trichlorobenzene	50.00	42.1	84.2	65 - 135
1,1,2-Trichloroethane	50.00	48.4	96.8	75 - 125
1,1,1-Trichloroethane	50.00	50.2	100	65 - 130
Trichloroethene	50.00	47.5	95.0	70 - 125
Trichlorofluoromethane	50.00	52.2	104	60 - 145
1,2,3-Trichloropropane	50.00	45.2	90.5	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B11006	Laboratory ID:	3B11006-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	52.9	106	75 - 130
1,2,4-Trimethylbenzene	50.00	48.8	97.7	75 - 130
Vinyl chloride	50.00	63.0	126	50 - 145
Xylenes (total)	150.0	146	97.4	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B14017	Laboratory ID:	3B14017-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	83.3	83.3	40 - 140
Benzene	50.00	48.8	97.6	80 - 120
Bromobenzene	50.00	50.3	101	75 - 125
Bromochloromethane	50.00	43.9	87.7	65 - 130
Bromodichloromethane	50.00	48.2	96.4	75 - 120
Bromoform	50.00	46.9	93.8	70 - 130
Bromomethane	50.00	48.8	97.5	30 - 145
n-Butylbenzene	50.00	49.9	99.8	70 - 135
2-Butanone	100.0	98.5	98.5	30 - 150
sec-Butylbenzene	50.00	49.2	98.3	70 - 125
tert-Butylbenzene	50.00	49.4	98.8	70 - 130
Carbon disulfide	50.00	41.6	83.2	35 - 160
Carbon tetrachloride	50.00	49.4	98.8	65 - 140
Chlorobenzene	50.00	44.4	88.8	80 - 120
Chloroethane	50.00	51.2	102	60 - 135
Chloroform	50.00	48.6	97.1	65 - 135
Chloromethane	50.00	50.4	101	40 - 125
2-Chlorotoluene	50.00	52.4	105	75 - 125
4-Chlorotoluene	50.00	50.0	100	75 - 130
Dibromochloromethane	50.00	46.1	92.1	60 - 135
1,2-Dibromo-3-chloropropane	50.00	47.2	94.4	50 - 130
1,2-Dibromoethane (EDB)	50.00	46.1	92.2	80 - 120
Dibromomethane	50.00	46.7	93.4	75 - 125
1,2-Dichlorobenzene	50.00	46.9	93.7	70 - 120
1,3-Dichlorobenzene	50.00	46.6	93.3	75 - 125
1,4-Dichlorobenzene	50.00	50.4	101	75 - 125
Dichlorodifluoromethane	50.00	66.0	132	30 - 155
1,1-Dichloroethane	50.00	48.3	96.5	70 - 135
1,2-Dichloroethane	50.00	50.1	100	70 - 130
1,1-Dichloroethene	50.00	42.4	84.8	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B14017	Laboratory ID:	3B14017-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	47.1	94.2	70 - 125
trans-1,2-Dichloroethene	50.00	46.3	92.6	60 - 140
1,2-Dichloropropane	50.00	48.6	97.3	75 - 125
1,3-Dichloropropane	50.00	49.3	98.6	75 - 125
2,2-Dichloropropane	50.00	54.1	108	70 - 135
1,1-Dichloropropene	50.00	49.6	99.1	75 - 130
cis-1,3-Dichloropropene	50.00	54.9	110	70 - 130
trans-1,3-Dichloropropene	50.00	51.0	102	55 - 140
Ethylbenzene	50.00	50.3	101	75 - 125
Hexachlorobutadiene	50.00	51.5	103	50 - 140
2-Hexanone	100.0	100	100	55 - 130
Isopropylbenzene	50.00	49.6	99.2	75 - 125
p-Isopropyltoluene	50.00	48.1	96.2	75 - 130
Methylene chloride	50.00	44.0	88.0	55 - 140
Naphthalene	50.00	40.1	80.1	55 - 140
4-Methyl-2-pentanone	100.0	103	103	60 - 135
Methyl t-Butyl Ether	50.00	48.8	97.5	65 - 125
n-Propylbenzene	50.00	52.0	104	70 - 130
Styrene	50.00	50.4	101	65 - 135
1,1,2,2-Tetrachloroethane	50.00	48.3	96.6	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.5	92.9	80 - 130
Tetrachloroethene	50.00	42.7	85.4	45 - 150
Toluene	50.00	49.8	99.6	75 - 120
1,2,3-Trichlorobenzene	50.00	43.4	86.9	55 - 140
1,2,4-Trichlorobenzene	50.00	44.8	89.5	65 - 135
1,1,2-Trichloroethane	50.00	49.4	98.8	75 - 125
1,1,1-Trichloroethane	50.00	49.2	98.3	65 - 130
Trichloroethene	50.00	48.4	96.8	70 - 125
Trichlorofluoromethane	50.00	50.1	100	60 - 145
1,2,3-Trichloropropane	50.00	47.2	94.4	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B14017	Laboratory ID:	3B14017-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	54.4	109	75 - 130
1,2,4-Trimethylbenzene	50.00	51.3	103	75 - 130
Vinyl chloride	50.00	56.4	113	50 - 145
Xylenes (total)	150.0	146	97.4	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	80.5	80.5	3.41	30	40 - 140
Benzene	50.00	46.5	92.9	4.89	30	80 - 120
Bromobenzene	50.00	48.6	97.1	3.48	30	75 - 125
Bromochloromethane	50.00	42.8	85.6	2.49	30	65 - 130
Bromodichloromethane	50.00	47.6	95.1	1.34	30	75 - 120
Bromoform	50.00	45.3	90.6	3.47	30	70 - 130
Bromomethane	50.00	41.1	82.1	17.1	30	30 - 145
n-Butylbenzene	50.00	47.0	94.0	6.05	30	70 - 135
2-Butanone	100.0	94.9	94.9	3.70	30	30 - 150
sec-Butylbenzene	50.00	46.3	92.6	5.95	30	70 - 125
tert-Butylbenzene	50.00	47.6	95.2	3.69	30	70 - 130
Carbon disulfide	50.00	39.3	78.7	5.61	30	35 - 160
Carbon tetrachloride	50.00	45.7	91.4	7.76	30	65 - 140
Chlorobenzene	50.00	43.2	86.4	2.69	30	80 - 120
Chloroethane	50.00	48.2	96.4	6.02	30	60 - 135
Chloroform	50.00	47.0	94.1	3.16	30	65 - 135
Chloromethane	50.00	46.1	92.2	8.89	30	40 - 125
2-Chlorotoluene	50.00	51.0	102	2.61	30	75 - 125
4-Chlorotoluene	50.00	48.6	97.2	2.92	30	75 - 130
Dibromochloromethane	50.00	45.7	91.3	0.850	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.2	90.4	4.31	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	44.7	89.5	2.97	30	80 - 120
Dibromomethane	50.00	46.4	92.8	0.645	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B14017	Laboratory ID:	3B14017-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	45.4	90.8	3.16	30	70 - 120
1,3-Dichlorobenzene	50.00	44.4	88.9	4.81	30	75 - 125
1,4-Dichlorobenzene	50.00	48.8	97.7	3.22	30	75 - 125
Dichlorodifluoromethane	50.00	60.3	121	8.95	30	30 - 155
1,1-Dichloroethane	50.00	46.0	92.1	4.69	30	70 - 135
1,2-Dichloroethane	50.00	49.5	99.0	1.24	30	70 - 130
1,1-Dichloroethene	50.00	39.8	79.5	6.47	30	70 - 130
cis-1,2-Dichloroethene	50.00	45.2	90.5	4.07	30	70 - 125
trans-1,2-Dichloroethene	50.00	44.2	88.3	4.71	30	60 - 140
1,2-Dichloropropane	50.00	47.1	94.2	3.28	30	75 - 125
1,3-Dichloropropane	50.00	49.3	98.6	0.0406	30	75 - 125
2,2-Dichloropropane	50.00	48.1	96.2	11.6	30	70 - 135
1,1-Dichloropropene	50.00	46.9	93.7	5.62	30	75 - 130
cis-1,3-Dichloropropene	50.00	52.0	104	5.50	30	70 - 130
trans-1,3-Dichloropropene	50.00	49.6	99.1	2.78	30	55 - 140
Ethylbenzene	50.00	49.1	98.2	2.36	30	75 - 125
Hexachlorobutadiene	50.00	41.5	83.1	21.5	30	50 - 140
2-Hexanone	100.0	99.4	99.4	0.592	30	55 - 130
Isopropylbenzene	50.00	47.9	95.9	3.44	30	75 - 125
p-Isopropyltoluene	50.00	45.3	90.6	6.08	30	75 - 130
Methylene chloride	50.00	42.9	85.9	2.51	30	55 - 140
Naphthalene	50.00	36.4	72.7	9.71	30	55 - 140
4-Methyl-2-pentanone	100.0	101	101	2.57	30	60 - 135
Methyl t-Butyl Ether	50.00	47.9	95.8	1.76	30	65 - 125
n-Propylbenzene	50.00	49.8	99.6	4.38	30	70 - 130
Styrene	50.00	49.1	98.1	2.64	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	47.0	94.0	2.71	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	45.0	89.9	3.28	30	80 - 130
Tetrachloroethene	50.00	40.3	80.5	5.83	30	45 - 150
Toluene	50.00	48.0	95.9	3.75	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	3B14017	Laboratory ID:	3B14017-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,3-Trichlorobenzene	50.00	40.1	80.2	8.02	30	55 - 140
1,2,4-Trichlorobenzene	50.00	41.2	82.4	8.31	30	65 - 135
1,1,2-Trichloroethane	50.00	49.0	98.1	0.691	30	75 - 125
1,1,1-Trichloroethane	50.00	46.6	93.2	5.41	30	65 - 130
Trichloroethene	50.00	46.5	93.0	3.98	30	70 - 125
Trichlorofluoromethane	50.00	47.7	95.4	4.85	30	60 - 145
1,2,3-Trichloropropane	50.00	46.2	92.5	2.03	30	75 - 125
1,3,5-Trimethylbenzene	50.00	52.4	105	3.60	30	75 - 130
1,2,4-Trimethylbenzene	50.00	49.5	99.0	3.53	30	75 - 130
Vinyl chloride	50.00	52.0	104	8.06	30	50 - 145
Xylenes (total)	150.0	143	95.4	2.05	30	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0937

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_078

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 3B07012

% Solids:

Source Sample Name: **1302023-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	82.7	82.7		40 - 140
Benzene	50.00	ND	50.3	101		80 - 120
Bromobenzene	50.00	ND	52.3	105		75 - 125
Bromochloromethane	50.00	ND	45.1	90.1		65 - 130
Bromodichloromethane	50.00	ND	49.0	97.9		75 - 120
Bromoform	50.00	ND	45.8	91.7		70 - 130
Bromomethane	50.00	ND	47.1	94.3		30 - 145
n-Butylbenzene	50.00	ND	47.0	94.0		70 - 135
2-Butanone	100.0	ND	90.3	90.3		30 - 150
sec-Butylbenzene	50.00	ND	48.8	97.6		70 - 125
tert-Butylbenzene	50.00	ND	49.9	99.8		70 - 130
Carbon disulfide	50.00	ND	46.0	92.1		35 - 160
Carbon tetrachloride	50.00	ND	49.9	99.9		65 - 140
Chlorobenzene	50.00	ND	45.1	90.1		80 - 120
Chloroethane	50.00	ND	55.1	110		60 - 135
Chloroform	50.00	ND	49.4	98.7		65 - 135
Chloromethane	50.00	ND	57.2	114		40 - 125
2-Chlorotoluene	50.00	ND	53.5	107		75 - 125
4-Chlorotoluene	50.00	ND	51.4	103		75 - 130
Dibromochloromethane	50.00	ND	46.4	92.8		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	47.2	94.5		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	46.8	93.6		80 - 120
Dibromomethane	50.00	ND	47.0	94.1		75 - 125
1,2-Dichlorobenzene	50.00	ND	47.1	94.1		70 - 120
1,3-Dichlorobenzene	50.00	ND	46.8	93.5		75 - 125
1,4-Dichlorobenzene	50.00	ND	50.4	101		75 - 125
Dichlorodifluoromethane	50.00	ND	76.1	152		30 - 155
1,1-Dichloroethane	50.00	ND	49.9	99.9		70 - 135
1,2-Dichloroethane	50.00	ND	51.0	102		70 - 130
1,1-Dichloroethene	50.00	ND	44.6	89.3		70 - 130
cis-1,2-Dichloroethene	50.00	ND	48.5	97.0		70 - 125
trans-1,2-Dichloroethene	50.00	ND	49.4	98.8		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0937

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_078

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 3B07012

% Solids:

Source Sample Name: **1302023-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	49.4	98.9		75 - 125
1,3-Dichloropropane	50.00	ND	51.1	102		75 - 125
2,2-Dichloropropane	50.00	ND	52.2	104		70 - 135
1,1-Dichloropropene	50.00	ND	51.0	102		75 - 130
cis-1,3-Dichloropropene	50.00	ND	54.2	108		70 - 130
trans-1,3-Dichloropropene	50.00	ND	50.9	102		55 - 140
Ethylbenzene	50.00	ND	51.5	103		75 - 125
Hexachlorobutadiene	50.00	ND	48.4	96.7		50 - 140
2-Hexanone	100.0	ND	99.4	99.4		55 - 130
Isopropylbenzene	50.00	ND	49.7	99.4		75 - 125
p-Isopropyltoluene	50.00	ND	46.5	93.0		75 - 130
Methylene chloride	50.00	ND	46.3	92.7		55 - 140
Naphthalene	50.00	ND	33.6	67.2		55 - 140
4-Methyl-2-pentanone	100.0	ND	99.4	99.4		60 - 135
Methyl t-Butyl Ether	50.00	ND	48.6	97.1		65 - 125
n-Propylbenzene	50.00	ND	53.0	106		70 - 130
Styrene	50.00	ND	49.6	99.1		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	53.0	106		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	48.0	96.1		80 - 130
Tetrachloroethene	50.00	ND	44.5	88.9		45 - 150
Toluene	50.00	ND	51.2	102		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	39.8	79.6		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	40.7	81.5		65 - 135
1,1,2-Trichloroethane	50.00	ND	50.0	99.9		75 - 125
1,1,1-Trichloroethane	50.00	ND	50.6	101		65 - 130
Trichloroethene	50.00	ND	49.1	98.2		70 - 125
Trichlorofluoromethane	50.00	ND	52.7	105		60 - 145
1,2,3-Trichloropropane	50.00	ND	47.1	94.2		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	53.2	106		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	48.5	97.1		75 - 130
Vinyl chloride	50.00	ND	59.3	119		50 - 145
Xylenes (total)	150.0	ND	148	98.7		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0937

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland 078

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 3B07012

% Solids:

Source Sample Name: **1302023-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	82.5	82.5	0.266		30	40 - 140
Benzene	50.00	49.6	99.2	1.36		30	80 - 120
Bromobenzene	50.00	52.5	105	0.420		30	75 - 125
Bromochloromethane	50.00	45.0	90.1	0.0666		30	65 - 130
Bromodichloromethane	50.00	49.7	99.4	1.50		30	75 - 120
Bromoform	50.00	46.2	92.3	0.739		30	70 - 130
Bromomethane	50.00	51.5	103	8.94		30	30 - 145
n-Butylbenzene	50.00	46.4	92.8	1.31		30	70 - 135
2-Butanone	100.0	93.8	93.8	3.76		30	30 - 150
sec-Butylbenzene	50.00	49.5	99.0	1.34		30	70 - 125
tert-Butylbenzene	50.00	49.7	99.4	0.401		30	70 - 130
Carbon disulfide	50.00	45.1	90.2	2.13		30	35 - 160
Carbon tetrachloride	50.00	50.2	100	0.420		30	65 - 140
Chlorobenzene	50.00	44.9	89.7	0.445		30	80 - 120
Chloroethane	50.00	55.2	110	0.218		30	60 - 135
Chloroform	50.00	49.3	98.6	0.101		30	65 - 135
Chloromethane	50.00	56.6	113	1.09		30	40 - 125
2-Chlorotoluene	50.00	53.6	107	0.149		30	75 - 125
4-Chlorotoluene	50.00	49.8	99.7	3.04		30	75 - 130
Dibromochloromethane	50.00	47.1	94.3	1.58		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.1	96.2	1.74		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	46.1	92.2	1.44		30	80 - 120
Dibromomethane	50.00	47.5	95.0	1.04		30	75 - 125
1,2-Dichlorobenzene	50.00	47.7	95.3	1.25		30	70 - 120
1,3-Dichlorobenzene	50.00	47.6	95.1	1.65		30	75 - 125
1,4-Dichlorobenzene	50.00	50.7	101	0.613		30	75 - 125
Dichlorodifluoromethane	50.00	74.9	150	1.58		30	30 - 155
1,1-Dichloroethane	50.00	49.9	99.8	0.0401		30	70 - 135
1,2-Dichloroethane	50.00	51.1	102	0.0588		30	70 - 130
1,1-Dichloroethene	50.00	44.6	89.1	0.135		30	70 - 130
cis-1,2-Dichloroethene	50.00	48.1	96.2	0.870		30	70 - 125
trans-1,2-Dichloroethene	50.00	48.7	97.4	1.41		30	60 - 140
1,2-Dichloropropane	50.00	50.1	100	1.43		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0937

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland 078

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 3B07012

% Solids:

Source Sample Name: **1302023-09**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	49.2	98.4	3.75		30	75 - 125
2,2-Dichloropropane	50.00	51.2	102	1.82		30	70 - 135
1,1-Dichloropropene	50.00	50.5	101	1.00		30	75 - 130
cis-1,3-Dichloropropene	50.00	54.7	109	0.974		30	70 - 130
trans-1,3-Dichloropropene	50.00	50.5	101	0.828		30	55 - 140
Ethylbenzene	50.00	51.0	102	1.11		30	75 - 125
Hexachlorobutadiene	50.00	50.4	101	4.07		30	50 - 140
2-Hexanone	100.0	99.8	99.8	0.432		30	55 - 130
Isopropylbenzene	50.00	50.2	100	1.08		30	75 - 125
p-Isopropyltoluene	50.00	46.4	92.9	0.151		30	75 - 130
Methylene chloride	50.00	46.2	92.4	0.259		30	55 - 140
Naphthalene	50.00	35.6	71.1	5.70		30	55 - 140
4-Methyl-2-pentanone	100.0	101	101	1.84		30	60 - 135
Methyl t-Butyl Ether	50.00	48.5	97.0	0.124		30	65 - 125
n-Propylbenzene	50.00	52.4	105	0.987		30	70 - 130
Styrene	50.00	49.9	99.8	0.643		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	53.6	107	1.29		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.3	94.6	1.55		30	80 - 130
Tetrachloroethene	50.00	43.8	87.6	1.50		30	45 - 150
Toluene	50.00	51.1	102	0.215		30	75 - 120
1,2,3-Trichlorobenzene	50.00	41.7	83.4	4.66		30	55 - 140
1,2,4-Trichlorobenzene	50.00	41.7	83.3	2.26		30	65 - 135
1,1,2-Trichloroethane	50.00	49.6	99.1	0.824		30	75 - 125
1,1,1-Trichloroethane	50.00	50.9	102	0.493		30	65 - 130
Trichloroethene	50.00	48.2	96.4	1.87		30	70 - 125
Trichlorofluoromethane	50.00	51.4	103	2.42		30	60 - 145
1,2,3-Trichloropropane	50.00	47.7	95.4	1.27		30	75 - 125
1,3,5-Trimethylbenzene	50.00	52.8	106	0.868		30	75 - 130
1,2,4-Trimethylbenzene	50.00	49.7	99.3	2.28		30	75 - 130
Vinyl chloride	50.00	58.4	117	1.51		30	50 - 145
Xylenes (total)	150.0	147	98.1	0.528		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 3B07012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0919	1302023-01	02/07/13 13:18	5.00	5.00
GW0920	1302023-03	02/07/13 13:46	5.00	5.00
GW0921	1302023-05	02/07/13 14:14	5.00	5.00
GW0936	1302023-07	02/07/13 14:42	5.00	5.00
GW0937	1302023-09	02/07/13 15:10	5.00	5.00
GW0938	1302023-11	02/07/13 15:38	5.00	5.00
GW0945	1302023-13	02/07/13 19:21	5.00	5.00
GW0968	1302023-15	02/07/13 18:53	5.00	5.00
GW0969	1302023-17	02/07/13 16:06	5.00	5.00
GW0970	1302023-19	02/07/13 16:34	5.00	5.00
GW0971	1302023-21	02/07/13 17:01	5.00	5.00
GW0983	1302023-23	02/07/13 17:29	5.00	5.00
GW0984	1302023-25	02/07/13 17:57	5.00	5.00
GW8069-AB	1302023-27	02/07/13 12:50	5.00	5.00
GW8256-TB	1302023-28	02/07/13 12:22	5.00	5.00
Blank	3B07012-BLK1	02/07/13 11:54	5.00	5.00
LCS	3B07012-BS1	02/07/13 10:31	5.00	5.00
GW0937	3B07012-MS1	02/07/13 20:17	5.00	5.00
GW0937	3B07012-MSD1	02/07/13 20:44	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 3B08006 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0945	1302023-13RE1	02/08/13 20:53	5.00	5.00
Blank	3B08006-BLK1	02/08/13 11:55	5.00	5.00
LCS	3B08006-BS1	02/08/13 10:31	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 3B11006 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8257-TB	1302048-23	02/11/13 09:53	5.00	5.00
Blank	3B11006-BLK1	02/11/13 09:25	5.00	5.00
LCS	3B11006-BS1	02/11/13 08:02	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Batch: 3B14017 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0907	1302048-01	02/14/13 12:53	5.00	5.00
GW0911	1302048-03	02/14/13 13:21	5.00	5.00
GW0912	1302048-05	02/14/13 13:49	5.00	5.00
GW0962	1302048-07	02/14/13 14:17	5.00	5.00
GW0963	1302048-09	02/14/13 14:45	5.00	5.00
GW0964	1302048-11	02/14/13 15:13	5.00	5.00
GW0967	1302048-13	02/14/13 15:40	5.00	5.00
GW0991	1302048-15	02/14/13 16:08	5.00	5.00
GW0992	1302048-17	02/14/13 16:36	5.00	5.00
GW0993	1302048-19	02/14/13 17:04	5.00	5.00
GW0994	1302048-21	02/14/13 17:32	5.00	5.00
Blank	3B14017-BLK1	02/14/13 11:57	5.00	5.00
LCS	3B14017-BS1	02/14/13 10:33	5.00	5.00
LCS Dup	3B14017-BSD1	02/14/13 21:15	5.00	5.00

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B07012-BLK1 File ID: 0207BLK1.D

Sampled: Prepared: Analyzed: 02/07/13 11:54

Solids: Preparation: 5030B Dilution:

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B07012-BLK1 File ID: 0207BLK1.D

Sampled: Prepared: Analyzed: 02/07/13 11:54

Solids: Preparation: 5030B Dilution:

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.35	94.5	75 - 120	
Dibromofluoromethane	30.00	28.32	94.4	85 - 115	
1,2-Dichloroethane-d4	30.00	30.67	102	70 - 120	
Toluene-d8	30.00	29.70	99.0	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B07012-BS1 File ID: 0207LCS1.D

Sampled: Prepared: Analyzed: 02/07/13 10:31

Solids: Preparation: 5030B Dilution:

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**81.0**	2.50	5.00	10.0	
71-43-2	Benzene	**50.0**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**52.4**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**46.0**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.1**	0.250	0.500	1.00	
75-25-2	Bromoform	**49.1**	0.250	0.500	1.00	
74-83-9	Bromomethane	**49.7**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**47.2**	0.250	0.500	1.00	
78-93-3	2-Butanone	**92.7**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**48.7**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**49.4**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**44.7**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**48.7**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**47.0**	0.250	0.500	1.00	
75-00-3	Chloroethane	**52.4**	0.500	1.00	2.00	
67-66-3	Chloroform	**49.9**	0.250	0.500	1.00	
74-87-3	Chloromethane	**54.4**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**53.6**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**50.5**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**48.1**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**50.5**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**49.0**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**47.9**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**47.9**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**46.8**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**51.1**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**77.0**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**49.8**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**51.0**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**44.9**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**48.8**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**49.0**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**50.4**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**52.9**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**55.7**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**49.7**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**56.6**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**53.8**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**52.7**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**52.9**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B07012-BS1 File ID: 0207LCS1.D

Sampled: Prepared: Analyzed: 02/07/13 10:31

Solids: Preparation: 5030B Dilution:

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**100**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**51.2**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**46.3**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**46.8**	0.500	1.00	2.00	
91-20-3	Naphthalene	**42.4**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**99.0**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**50.0**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**52.7**	0.250	0.500	1.00	
100-42-5	Styrene	**52.7**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**51.0**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**48.9**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**45.2**	0.250	0.500	1.00	
108-88-3	Toluene	**53.0**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**44.8**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**43.6**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**52.1**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**50.4**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**49.4**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**51.8**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**48.1**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**53.5**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**49.6**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**55.2**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**152**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.55	98.5	75 - 120	
Dibromofluoromethane	30.00	28.47	94.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.89	96.3	70 - 120	
Toluene-d8	30.00	30.47	102	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B07012-MS1 File ID: 0202309M.D

Sampled: Prepared: Analyzed: 02/07/13 20:17

Solids: Preparation: 5030B Dilution:

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**82.7**	2.50	5.00	10.0	
71-43-2	Benzene	**50.3**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**52.3**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**45.1**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.0**	0.250	0.500	1.00	
75-25-2	Bromoform	**45.8**	0.250	0.500	1.00	
74-83-9	Bromomethane	**47.1**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**47.0**	0.250	0.500	1.00	
78-93-3	2-Butanone	**90.3**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**48.8**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**49.9**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**46.0**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**49.9**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**45.1**	0.250	0.500	1.00	
75-00-3	Chloroethane	**55.1**	0.500	1.00	2.00	
67-66-3	Chloroform	**49.4**	0.250	0.500	1.00	
74-87-3	Chloromethane	**57.2**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**53.5**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**51.4**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**46.4**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**47.2**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**46.8**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**47.0**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**47.1**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**46.8**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**50.4**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**76.1**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**49.9**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**51.0**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**44.6**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**48.5**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**49.4**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**49.4**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**51.1**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**52.2**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**51.0**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**54.2**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**50.9**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**51.5**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**48.4**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B07012-MS1 File ID: 0202309M.D

Sampled: Prepared: Analyzed: 02/07/13 20:17

Solids: Preparation: 5030B Dilution:

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**99.4**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**49.7**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**46.5**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**46.3**	0.500	1.00	2.00	
91-20-3	Naphthalene	**33.6**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**99.4**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**48.6**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**53.0**	0.250	0.500	1.00	
100-42-5	Styrene	**49.6**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**53.0**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**48.0**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**44.5**	0.250	0.500	1.00	
108-88-3	Toluene	**51.2**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**39.8**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**40.7**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**50.0**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**50.6**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**49.1**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**52.7**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**47.1**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**53.2**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**48.5**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**59.3**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**148**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.89	96.3	75 - 120	
Dibromofluoromethane	30.00	29.06	96.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.55	95.2	70 - 120	
Toluene-d8	30.00	30.23	101	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B07012-MSD1 File ID: 0202309S.D

Sampled: Prepared: Analyzed: 02/07/13 20:44

Solids: Preparation: 5030B Dilution:

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**82.5**	2.50	5.00	10.0	
71-43-2	Benzene	**49.6**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**52.5**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**45.0**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.7**	0.250	0.500	1.00	
75-25-2	Bromoform	**46.2**	0.250	0.500	1.00	
74-83-9	Bromomethane	**51.5**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**46.4**	0.250	0.500	1.00	
78-93-3	2-Butanone	**93.8**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**49.5**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**49.7**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**45.1**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**50.2**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**44.9**	0.250	0.500	1.00	
75-00-3	Chloroethane	**55.2**	0.500	1.00	2.00	
67-66-3	Chloroform	**49.3**	0.250	0.500	1.00	
74-87-3	Chloromethane	**56.6**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**53.6**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**49.8**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**47.1**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**48.1**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**46.1**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**47.5**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**47.7**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**47.6**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**50.7**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**74.9**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**49.9**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**51.1**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**44.6**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**48.1**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**48.7**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**50.1**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**49.2**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**51.2**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**50.5**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**54.7**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**50.5**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**51.0**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**50.4**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B07012-MSD1 File ID: 0202309S.D

Sampled: Prepared: Analyzed: 02/07/13 20:44

Solids: Preparation: 5030B Dilution:

Batch: 3B07012 Sequence: 3B03901 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**99.8**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**50.2**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**46.4**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**46.2**	0.500	1.00	2.00	
91-20-3	Naphthalene	**35.6**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**101**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**48.5**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**52.4**	0.250	0.500	1.00	
100-42-5	Styrene	**49.9**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**53.6**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**47.3**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**43.8**	0.250	0.500	1.00	
108-88-3	Toluene	**51.1**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**41.7**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**41.7**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**49.6**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**50.9**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**48.2**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**51.4**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**47.7**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**52.8**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**49.7**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**58.4**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**147**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.58	95.3	75 - 120	
Dibromofluoromethane	30.00	29.16	97.2	85 - 115	
1,2-Dichloroethane-d4	30.00	28.02	93.4	70 - 120	
Toluene-d8	30.00	30.06	100	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B08006-BLK1 File ID: 0208BLK1.D

Sampled: Prepared: Analyzed: 02/08/13 11:55

Solids: Preparation: 5030B Dilution:

Batch: 3B08006 Sequence: 3B04205 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B08006-BLK1 File ID: 0208BLK1.D

Sampled: Prepared: Analyzed: 02/08/13 11:55

Solids: Preparation: 5030B Dilution:

Batch: 3B08006 Sequence: 3B04205 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.02	93.4	75 - 120	
Dibromofluoromethane	30.00	28.16	93.9	85 - 115	
1,2-Dichloroethane-d4	30.00	28.17	93.9	70 - 120	
Toluene-d8	30.00	29.54	98.5	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B08006-BS1 File ID: 0208LCS1.D

Sampled: Prepared: Analyzed: 02/08/13 10:31

Solids: Preparation: 5030B Dilution:

Batch: 3B08006 Sequence: 3B04205 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**88.4**	2.50	5.00	10.0	
71-43-2	Benzene	**49.5**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**53.3**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**45.2**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.8**	0.250	0.500	1.00	
75-25-2	Bromoform	**49.8**	0.250	0.500	1.00	
74-83-9	Bromomethane	**49.1**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**47.9**	0.250	0.500	1.00	
78-93-3	2-Butanone	**103**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**49.7**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**49.1**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**43.6**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**48.9**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**45.1**	0.250	0.500	1.00	
75-00-3	Chloroethane	**53.6**	0.500	1.00	2.00	
67-66-3	Chloroform	**49.8**	0.250	0.500	1.00	
74-87-3	Chloromethane	**54.8**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**54.1**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**52.1**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**48.4**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**56.4**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**47.5**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**48.3**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**48.9**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**48.5**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**52.2**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**74.1**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**49.6**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**51.6**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**43.0**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**48.1**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**47.5**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**49.9**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**51.7**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**55.1**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**50.0**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**57.2**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**53.8**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**50.7**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**55.2**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B08006-BS1 File ID: 0208LCS1.D

Sampled: Prepared: Analyzed: 02/08/13 10:31

Solids: Preparation: 5030B Dilution:

Batch: 3B08006 Sequence: 3B04205 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**109**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**49.8**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**46.9**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**46.2**	0.500	1.00	2.00	
91-20-3	Naphthalene	**41.8**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**108**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**52.8**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**53.8**	0.250	0.500	1.00	
100-42-5	Styrene	**50.8**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**55.4**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**46.6**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**42.7**	0.250	0.500	1.00	
108-88-3	Toluene	**50.9**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**45.3**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**44.6**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**51.3**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**50.3**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**48.2**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**50.0**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**48.7**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**53.9**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**49.7**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**54.7**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**148**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.87	96.2	75 - 120	
Dibromofluoromethane	30.00	28.26	94.2	85 - 115	
1,2-Dichloroethane-d4	30.00	28.36	94.5	70 - 120	
Toluene-d8	30.00	29.42	98.1	85 - 120	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B11006-BLK1 File ID: 0211BLK1.D

Sampled: Prepared: Analyzed: 02/11/13 09:25

Solids: Preparation: 5030B Dilution:

Batch: 3B11006 Sequence: 3B04302 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	UX
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B11006-BLK1 File ID: 0211BLK1.D

Sampled: Prepared: Analyzed: 02/11/13 09:25

Solids: Preparation: 5030B Dilution:

Batch: 3B11006 Sequence: 3B04302 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.66	95.5	75 - 120	
Dibromofluoromethane	30.00	28.73	95.8	85 - 115	
1,2-Dichloroethane-d4	30.00	28.01	93.4	70 - 120	
Toluene-d8	30.00	29.43	98.1	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B11006-BS1 File ID: 0211LCS1.D

Sampled: Prepared: Analyzed: 02/11/13 08:02

Solids: Preparation: 5030B Dilution:

Batch: 3B11006 Sequence: 3B04302 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**85.6**	2.50	5.00	10.0	
71-43-2	Benzene	**48.7**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**50.9**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**43.8**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.1**	0.250	0.500	1.00	
75-25-2	Bromoform	**46.4**	0.250	0.500	1.00	
74-83-9	Bromomethane	**48.5**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**48.1**	0.250	0.500	1.00	
78-93-3	2-Butanone	**99.4**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**48.7**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**48.8**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**43.2**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**50.8**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**43.8**	0.250	0.500	1.00	
75-00-3	Chloroethane	**52.7**	0.500	1.00	2.00	
67-66-3	Chloroform	**48.8**	0.250	0.500	1.00	
74-87-3	Chloromethane	**54.0**	0.250	0.500	1.00	X
95-49-8	2-Chlorotoluene	**52.6**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**49.6**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**46.2**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**47.9**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**44.9**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**46.4**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**46.1**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**46.2**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**49.4**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**76.9**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**48.6**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**50.0**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**42.6**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**46.8**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**46.4**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**48.7**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**49.0**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**55.2**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**49.3**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**54.9**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**50.9**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**50.5**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**53.4**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B11006-BS1 File ID: 0211LCS1.D

Sampled: Prepared: Analyzed: 02/11/13 08:02

Solids: Preparation: 5030B Dilution:

Batch: 3B11006 Sequence: 3B04302 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**106**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**50.0**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**46.5**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**44.3**	0.500	1.00	2.00	
91-20-3	Naphthalene	**36.1**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**109**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**48.7**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**51.9**	0.250	0.500	1.00	
100-42-5	Styrene	**49.3**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**49.5**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**46.0**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**42.6**	0.250	0.500	1.00	
108-88-3	Toluene	**49.6**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**42.0**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**42.1**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**48.4**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**50.2**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**47.5**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**52.2**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**45.2**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**52.9**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**48.8**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**63.0**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**146**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.52	98.4	75 - 120	
Dibromofluoromethane	30.00	28.61	95.4	85 - 115	
1,2-Dichloroethane-d4	30.00	27.52	91.7	70 - 120	
Toluene-d8	30.00	29.62	98.7	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B14017-BLK1 File ID: 0214BLK1.D

Sampled: Prepared: Analyzed: 02/14/13 11:57

Solids: Preparation: 5030B Dilution:

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B14017-BLK1 File ID: 0214BLK1.D

Sampled: Prepared: Analyzed: 02/14/13 11:57

Solids: Preparation: 5030B Dilution:

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.38	94.6	75 - 120	
Dibromofluoromethane	30.00	28.06	93.5	85 - 115	
1,2-Dichloroethane-d4	30.00	28.37	94.6	70 - 120	
Toluene-d8	30.00	29.73	99.1	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B14017-BS1 File ID: 0214LCS1.D

Sampled: Prepared: Analyzed: 02/14/13 10:33

Solids: Preparation: 5030B Dilution:

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**83.3**	2.50	5.00	10.0	
71-43-2	Benzene	**48.8**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**50.3**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**43.9**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**48.2**	0.250	0.500	1.00	
75-25-2	Bromoform	**46.9**	0.250	0.500	1.00	
74-83-9	Bromomethane	**48.8**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**49.9**	0.250	0.500	1.00	
78-93-3	2-Butanone	**98.5**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**49.2**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**49.4**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**41.6**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**49.4**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**44.4**	0.250	0.500	1.00	
75-00-3	Chloroethane	**51.2**	0.500	1.00	2.00	
67-66-3	Chloroform	**48.6**	0.250	0.500	1.00	
74-87-3	Chloromethane	**50.4**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**52.4**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**50.0**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**46.1**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**47.2**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**46.1**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**46.7**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**46.9**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**46.6**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**50.4**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**66.0**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**48.3**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**50.1**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**42.4**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**47.1**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**46.3**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**48.6**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**49.3**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**54.1**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**49.6**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**54.9**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**51.0**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**50.3**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**51.5**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B14017-BS1 File ID: 0214LCS1.D

Sampled: Prepared: Analyzed: 02/14/13 10:33

Solids: Preparation: 5030B Dilution:

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**100**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**49.6**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**48.1**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**44.0**	0.500	1.00	2.00	
91-20-3	Naphthalene	**40.1**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**103**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**48.8**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**52.0**	0.250	0.500	1.00	
100-42-5	Styrene	**50.4**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**48.3**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**46.5**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**42.7**	0.250	0.500	1.00	
108-88-3	Toluene	**49.8**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**43.4**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**44.8**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**49.4**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**49.2**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**48.4**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**50.1**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**47.2**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**54.4**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**51.3**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**56.4**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**146**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.84	96.1	75 - 120	
Dibromofluoromethane	30.00	28.10	93.7	85 - 115	
1,2-Dichloroethane-d4	30.00	27.91	93.0	70 - 120	
Toluene-d8	30.00	29.71	99.0	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B14017-BSD1 File ID: 0214LCD1.D

Sampled: Prepared: Analyzed: 02/14/13 21:15

Solids: Preparation: 5030B Dilution:

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**80.5**	2.50	5.00	10.0	
71-43-2	Benzene	**46.5**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**48.6**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**42.8**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**47.6**	0.250	0.500	1.00	
75-25-2	Bromoform	**45.3**	0.250	0.500	1.00	
74-83-9	Bromomethane	**41.1**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**47.0**	0.250	0.500	1.00	
78-93-3	2-Butanone	**94.9**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**46.3**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**47.6**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**39.3**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**45.7**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**43.2**	0.250	0.500	1.00	
75-00-3	Chloroethane	**48.2**	0.500	1.00	2.00	
67-66-3	Chloroform	**47.0**	0.250	0.500	1.00	
74-87-3	Chloromethane	**46.1**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**51.0**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**48.6**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**45.7**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**45.2**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**44.7**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**46.4**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**45.4**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**44.4**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**48.8**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**60.3**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**46.0**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**49.5**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**39.8**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**45.2**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**44.2**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**47.1**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**49.3**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**48.1**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**46.9**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**52.0**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**49.6**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**49.1**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**41.5**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Matrix: Laboratory ID: 3B14017-BSD1 File ID: 0214LCD1.D

Sampled: Prepared: Analyzed: 02/14/13 21:15

Solids: Preparation: 5030B Dilution:

Batch: 3B14017 Sequence: 3B04601 Calibration: 3015001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**99.4**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**47.9**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**45.3**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**42.9**	0.500	1.00	2.00	
91-20-3	Naphthalene	**36.4**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**101**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**47.9**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**49.8**	0.250	0.500	1.00	
100-42-5	Styrene	**49.1**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**47.0**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**45.0**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**40.3**	0.250	0.500	1.00	
108-88-3	Toluene	**48.0**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**40.1**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**41.2**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**49.0**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**46.6**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**46.5**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**47.7**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**46.2**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**52.4**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**49.5**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**52.0**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**143**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.15	97.2	75 - 120	
Dibromofluoromethane	30.00	28.39	94.6	85 - 115	
1,2-Dichloroethane-d4	30.00	28.47	94.9	70 - 120	
Toluene-d8	30.00	30.15	100	85 - 120	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0114TUN1.D	Injection Date:	01/14/13
Instrument ID:	MS-VOA5	Injection Time:	11:03
Sequence:	3A01502	Lab Sample ID:	3A01502-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.5	PASS
75	30 - 60% of 95	45.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.71	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	88.3	PASS
175	5 - 9% of 174	7.59	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.81	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0207TUN1.D	Injection Date:	02/07/13
Instrument ID:	MS-VOA5	Injection Time:	09:28
Sequence:	3B03901	Lab Sample ID:	3B03901-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.1	PASS
75	30 - 60% of 95	46.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.67	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	80.7	PASS
175	5 - 9% of 174	7.64	PASS
176	95 - 101% of 174	97.6	PASS
177	5 - 9% of 176	6.52	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0208TUN1.D	Injection Date:	02/08/13
Instrument ID:	MS-VOA5	Injection Time:	09:34
Sequence:	3B04205	Lab Sample ID:	3B04205-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.2	PASS
75	30 - 60% of 95	48.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.69	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	75.9	PASS
175	5 - 9% of 174	7.54	PASS
176	95 - 101% of 174	97.6	PASS
177	5 - 9% of 176	6.63	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0211TUN1.D	Injection Date:	02/11/13
Instrument ID:	MS-VOA5	Injection Time:	07:05
Sequence:	3B04302	Lab Sample ID:	3B04302-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	25.7	PASS
75	30 - 60% of 95	49.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.65	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	72	PASS
175	5 - 9% of 174	7.18	PASS
176	95 - 101% of 174	96.8	PASS
177	5 - 9% of 176	6.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0214TUN1.D	Injection Date:	02/14/13
Instrument ID:	MS-VOA5	Injection Time:	09:35
Sequence:	3B04601	Lab Sample ID:	3B04601-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.6	PASS
75	30 - 60% of 95	48.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.6	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	75.7	PASS
175	5 - 9% of 174	7.66	PASS
176	95 - 101% of 174	96.6	PASS
177	5 - 9% of 176	6.56	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	3A01502	Instrument:	MS-VOA5
Calibration:	3015001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	3A01502-TUN1	0114TUN1.D	01/14/13 11:03
Cal Standard	3A01502-CAL1	0114CAL1.D	01/14/13 12:28
Cal Standard	3A01502-CAL2	0114CAL2.D	01/14/13 12:56
Cal Standard	3A01502-CAL3	0114CAL3.D	01/14/13 13:24
Cal Standard	3A01502-CAL5	0114CAL5.D	01/14/13 14:19
Cal Standard	3A01502-CAL6	0114CAL6.D	01/14/13 14:47
Cal Standard	3A01502-CAL7	0114CAL7.D	01/14/13 15:15
Cal Standard	3A01502-CAL8	0114CAL8.D	01/14/13 15:43
Cal Standard	3A01502-CAL9	0114CAL9.D	01/14/13 16:10
Initial Cal Check	3A01502-ICV2	0114ICV2.D	01/14/13 18:02

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	3B03901	Instrument:	MS-VOA5
Calibration:	3015001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	3B03901-TUN1	0207TUN1.D	02/07/13 09:28
Calibration Check	3B03901-CCV1	0207CCV1.D	02/07/13 09:56
LCS	3B07012-BS1	0207LCS1.D	02/07/13 10:31
Blank	3B07012-BLK1	0207BLK1.D	02/07/13 11:54
GW8256-TB	1302023-28	0202328.D	02/07/13 12:22
GW8069-AB	1302023-27	0202327.D	02/07/13 12:50
GW0919	1302023-01	0202301.D	02/07/13 13:18
GW0920	1302023-03	0202303.D	02/07/13 13:46
GW0921	1302023-05	0202305.D	02/07/13 14:14
GW0936	1302023-07	0202307.D	02/07/13 14:42
GW0937	1302023-09	0202309.D	02/07/13 15:10
GW0938	1302023-11	0202311.D	02/07/13 15:38
GW0969	1302023-17	0202317D.D	02/07/13 16:06
GW0970	1302023-19	0202319D.D	02/07/13 16:34
GW0971	1302023-21	0202321.D	02/07/13 17:01
GW0983	1302023-23	0202323D.D	02/07/13 17:29
GW0984	1302023-25	0202325.D	02/07/13 17:57
GW0968	1302023-15	0202315D.D	02/07/13 18:53
GW0945	1302023-13	0202313D.D	02/07/13 19:21
GW0937	3B07012-MS1	0202309M.D	02/07/13 20:17
GW0937	3B07012-MSD1	0202309S.D	02/07/13 20:44

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	3B04205	Instrument:	MS-VOA5
Calibration:	3015001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	3B04205-TUN1	0208TUN1.D	02/08/13 09:34
Calibration Check	3B04205-CCV1	0208CCV1.D	02/08/13 10:02
LCS	3B08006-BS1	0208LCS1.D	02/08/13 10:31
Blank	3B08006-BLK1	0208BLK1.D	02/08/13 11:55
GW0945	1302023-13RE1	0202313D.D	02/08/13 20:53

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	3B04302	Instrument:	MS-VOA5
Calibration:	3015001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	3B04302-TUN1	0211TUN1.D	02/11/13 07:05
Calibration Check	3B04302-CCV1	0211CCV1.D	02/11/13 07:34
LCS	3B11006-BS1	0211LCS1.D	02/11/13 08:02
Blank	3B11006-BLK1	0211BLK1.D	02/11/13 09:25
GW8257-TB	1302048-23	0204823.D	02/11/13 09:53

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	3B04601	Instrument:	MS-VOA5
Calibration:	3015001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	3B04601-TUN1	0214TUN1.D	02/14/13 09:35
Calibration Check	3B04601-CCV1	0214CCV1.D	02/14/13 10:04
LCS	3B14017-BS1	0214LCS1.D	02/14/13 10:33
Blank	3B14017-BLK1	0214BLK1.D	02/14/13 11:57
GW0907	1302048-01	0204801.D	02/14/13 12:53
GW0911	1302048-03	0204803.D	02/14/13 13:21
GW0912	1302048-05	0204805.D	02/14/13 13:49
GW0962	1302048-07	0204807D.D	02/14/13 14:17
GW0963	1302048-09	0204809.D	02/14/13 14:45
GW0964	1302048-11	0204811.D	02/14/13 15:13
GW0967	1302048-13	0204813.D	02/14/13 15:40
GW0991	1302048-15	0204815.D	02/14/13 16:08
GW0992	1302048-17	0204817.D	02/14/13 16:36
GW0993	1302048-19	0204819.D	02/14/13 17:04
GW0994	1302048-21	0204821.D	02/14/13 17:32
LCS Dup	3B14017-BSD1	0214LCD1.D	02/14/13 21:15

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B03901
Instrument: MS-VOA5
Calibration: 3015001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (3B03901-CCV1)			Lab File ID: 0207CCV1.D			Analyzed: 02/07/13 09:56			
Fluorobenzene	1382962	7.6	1386812	7.6	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	543816	10.74	562676	10.73	97	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	463770	13.13	537036	13.14	86	50 - 200	-0.0100	+/-0.50	
LCS (3B07012-BS1)			Lab File ID: 0207LCS1.D			Analyzed: 02/07/13 10:31			
Fluorobenzene	1377678	7.6	1382962	7.6	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	541952	10.74	543816	10.74	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	455163	13.13	463770	13.13	98	50 - 200	0.0000	+/-0.50	
Blank (3B07012-BLK1)			Lab File ID: 0207BLK1.D			Analyzed: 02/07/13 11:54			
Fluorobenzene	1327020	7.6	1382962	7.6	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	543825	10.74	543816	10.74	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	373716	13.14	463770	13.13	81	50 - 200	0.0100	+/-0.50	
GW8256-TB (1302023-28)			Lab File ID: 0202328.D			Analyzed: 02/07/13 12:22			
Fluorobenzene	1340325	7.6	1382962	7.6	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	536221	10.75	543816	10.74	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	400153	13.14	463770	13.13	86	50 - 200	0.0100	+/-0.50	
GW8069-AB (1302023-27)			Lab File ID: 0202327.D			Analyzed: 02/07/13 12:50			
Fluorobenzene	1317819	7.6	1382962	7.6	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	536053	10.74	543816	10.74	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	378340	13.15	463770	13.13	82	50 - 200	0.0200	+/-0.50	
GW0919 (1302023-01)			Lab File ID: 0202301.D			Analyzed: 02/07/13 13:18			
Fluorobenzene	1314210	7.6	1382962	7.6	95	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	528781	10.74	543816	10.74	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	375454	13.14	463770	13.13	81	50 - 200	0.0100	+/-0.50	
GW0920 (1302023-03)			Lab File ID: 0202303.D			Analyzed: 02/07/13 13:46			
Fluorobenzene	1301940	7.6	1382962	7.6	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	527294	10.75	543816	10.74	97	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	368738	13.14	463770	13.13	80	50 - 200	0.0100	+/-0.50	
GW0921 (1302023-05)			Lab File ID: 0202305.D			Analyzed: 02/07/13 14:14			
Fluorobenzene	1288565	7.6	1382962	7.6	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	526130	10.74	543816	10.74	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	363138	13.15	463770	13.13	78	50 - 200	0.0200	+/-0.50	
GW0936 (1302023-07)			Lab File ID: 0202307.D			Analyzed: 02/07/13 14:42			
Fluorobenzene	1327793	7.6	1382962	7.6	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	533779	10.74	543816	10.74	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	358427	13.14	463770	13.13	77	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B03901
Instrument: MS-VOA5
Calibration: 3015001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0937 (1302023-09)			Lab File ID: 0202309.D			Analyzed: 02/07/13 15:10			
Fluorobenzene	1294703	7.6	1382962	7.6	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	529964	10.75	543816	10.74	97	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	365397	13.14	463770	13.13	79	50 - 200	0.0100	+/-0.50	
GW0938 (1302023-11)			Lab File ID: 0202311.D			Analyzed: 02/07/13 15:38			
Fluorobenzene	1302579	7.6	1382962	7.6	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	524026	10.75	543816	10.74	96	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	364135	13.14	463770	13.13	79	50 - 200	0.0100	+/-0.50	
GW0969 (1302023-17)			Lab File ID: 0202317D.D			Analyzed: 02/07/13 16:06			
Fluorobenzene	1291815	7.6	1382962	7.6	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	528779	10.74	543816	10.74	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	387396	13.15	463770	13.13	84	50 - 200	0.0200	+/-0.50	
GW0970 (1302023-19)			Lab File ID: 0202319D.D			Analyzed: 02/07/13 16:34			
Fluorobenzene	1323261	7.61	1382962	7.6	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	527035	10.74	543816	10.74	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	400978	13.14	463770	13.13	86	50 - 200	0.0100	+/-0.50	
GW0971 (1302023-21)			Lab File ID: 0202321.D			Analyzed: 02/07/13 17:01			
Fluorobenzene	1325022	7.6	1382962	7.6	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	539730	10.75	543816	10.74	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	386342	13.14	463770	13.13	83	50 - 200	0.0100	+/-0.50	
GW0983 (1302023-23)			Lab File ID: 0202323D.D			Analyzed: 02/07/13 17:29			
Fluorobenzene	1328485	7.61	1382962	7.6	96	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	530302	10.75	543816	10.74	98	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	373445	13.14	463770	13.13	81	50 - 200	0.0100	+/-0.50	
GW0984 (1302023-25)			Lab File ID: 0202325.D			Analyzed: 02/07/13 17:57			
Fluorobenzene	1332758	7.6	1382962	7.6	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	536380	10.74	543816	10.74	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	366336	13.14	463770	13.13	79	50 - 200	0.0100	+/-0.50	
GW0968 (1302023-15)			Lab File ID: 0202315D.D			Analyzed: 02/07/13 18:53			
Fluorobenzene	1334717	7.6	1382962	7.6	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	531626	10.74	543816	10.74	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	399031	13.15	463770	13.13	86	50 - 200	0.0200	+/-0.50	
GW0945 (1302023-13)			Lab File ID: 0202313D.D			Analyzed: 02/07/13 19:21			
Fluorobenzene	1342816	7.6	1382962	7.6	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	544119	10.74	543816	10.74	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	401461	13.14	463770	13.13	87	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	3B03901	Instrument:	MS-VOA5
		Calibration:	3015001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (3B07012-MS1)			Lab File ID: 0202309M.D			Analyzed: 02/07/13 20:17			
Fluorobenzene	1335664	7.6	1382962	7.6	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	535375	10.74	543816	10.74	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	427301	13.14	463770	13.13	92	50 - 200	0.0100	+/-0.50	
Matrix Spike Dup (3B07012-MSD1)			Lab File ID: 0202309S.D			Analyzed: 02/07/13 20:44			
Fluorobenzene	1343087	7.6	1382962	7.6	97	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	542704	10.74	543816	10.74	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	436874	13.14	463770	13.13	94	50 - 200	0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04205
Instrument: MS-VOA5
Calibration: 3015001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (3B04205-CCV1)			Lab File ID: 0208CCV1.D			Analyzed: 02/08/13 10:02			
Fluorobenzene	1331468	7.6	1386812	7.6	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	533937	10.74	562676	10.73	95	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	447880	13.13	537036	13.14	83	50 - 200	-0.0100	+/-0.50	
LCS (3B08006-BS1)			Lab File ID: 0208LCS1.D			Analyzed: 02/08/13 10:31			
Fluorobenzene	1336884	7.59	1331468	7.6	100	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	542351	10.73	533937	10.74	102	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	431428	13.13	447880	13.13	96	50 - 200	0.0000	+/-0.50	
Blank (3B08006-BLK1)			Lab File ID: 0208BLK1.D			Analyzed: 02/08/13 11:55			
Fluorobenzene	1263811	7.59	1331468	7.6	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	522397	10.73	533937	10.74	98	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	359606	13.13	447880	13.13	80	50 - 200	0.0000	+/-0.50	
GW0945 (1302023-13RE1)			Lab File ID: 0202313D.D			Analyzed: 02/08/13 20:53			
Fluorobenzene	1282560	7.58	1331468	7.6	96	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	533632	10.72	533937	10.74	100	50 - 200	-0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	408857	13.13	447880	13.13	91	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04302
Instrument: MS-VOA5
Calibration: 3015001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (3B04302-CCV1)			Lab File ID: 0211CCV1.D			Analyzed: 02/11/13 07:34			
Fluorobenzene	1328546	7.6	1386812	7.6	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	555823	10.74	562676	10.73	99	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	462520	13.14	537036	13.14	86	50 - 200	0.0000	+/-0.50	
LCS (3B11006-BS1)			Lab File ID: 0211LCS1.D			Analyzed: 02/11/13 08:02			
Fluorobenzene	1342846	7.59	1328546	7.6	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	549344	10.74	555823	10.74	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	448071	13.13	462520	13.14	97	50 - 200	-0.0100	+/-0.50	
Blank (3B11006-BLK1)			Lab File ID: 0211BLK1.D			Analyzed: 02/11/13 09:25			
Fluorobenzene	1272510	7.6	1328546	7.6	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	530686	10.74	555823	10.74	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	372539	13.13	462520	13.14	81	50 - 200	-0.0100	+/-0.50	
GW8257-TB (1302048-23)			Lab File ID: 0204823.D			Analyzed: 02/11/13 09:53			
Fluorobenzene	1259308	7.59	1328546	7.6	95	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	534773	10.74	555823	10.74	96	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	363499	13.13	462520	13.14	79	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04601
Instrument: MS-VOA5
Calibration: 3015001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (3B04601-CCV1)			Lab File ID: 0214CCV1.D			Analyzed: 02/14/13 10:04			
Fluorobenzene	1186925	7.61	1386812	7.6	86	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	513760	10.74	562676	10.73	91	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	449847	13.15	537036	13.14	84	50 - 200	0.0100	+/-0.50	
LCS (3B14017-BS1)			Lab File ID: 0214LCS1.D			Analyzed: 02/14/13 10:33			
Fluorobenzene	1302668	7.6	1186925	7.61	110	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	534609	10.74	513760	10.74	104	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	441945	13.13	449847	13.15	98	50 - 200	-0.0200	+/-0.50	
Blank (3B14017-BLK1)			Lab File ID: 0214BLK1.D			Analyzed: 02/14/13 11:57			
Fluorobenzene	1219044	7.6	1186925	7.61	103	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	510403	10.74	513760	10.74	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	363783	13.14	449847	13.15	81	50 - 200	-0.0100	+/-0.50	
GW0907 (1302048-01)			Lab File ID: 0204801.D			Analyzed: 02/14/13 12:53			
Fluorobenzene	1204585	7.6	1186925	7.61	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	512082	10.75	513760	10.74	100	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	374276	13.14	449847	13.15	83	50 - 200	-0.0100	+/-0.50	
GW0911 (1302048-03)			Lab File ID: 0204803.D			Analyzed: 02/14/13 13:21			
Fluorobenzene	1251620	7.61	1186925	7.61	105	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	516131	10.74	513760	10.74	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	369262	13.14	449847	13.15	82	50 - 200	-0.0100	+/-0.50	
GW0912 (1302048-05)			Lab File ID: 0204805.D			Analyzed: 02/14/13 13:49			
Fluorobenzene	1228266	7.6	1186925	7.61	103	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	503830	10.74	513760	10.74	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	363518	13.14	449847	13.15	81	50 - 200	-0.0100	+/-0.50	
GW0962 (1302048-07)			Lab File ID: 0204807D.D			Analyzed: 02/14/13 14:17			
Fluorobenzene	1215800	7.6	1186925	7.61	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	504921	10.74	513760	10.74	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	369404	13.14	449847	13.15	82	50 - 200	-0.0100	+/-0.50	
GW0963 (1302048-09)			Lab File ID: 0204809.D			Analyzed: 02/14/13 14:45			
Fluorobenzene	1203088	7.6	1186925	7.61	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	505370	10.74	513760	10.74	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	363937	13.14	449847	13.15	81	50 - 200	-0.0100	+/-0.50	
GW0964 (1302048-11)			Lab File ID: 0204811.D			Analyzed: 02/14/13 15:13			
Fluorobenzene	1207910	7.6	1186925	7.61	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	508088	10.74	513760	10.74	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	364152	13.14	449847	13.15	81	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 3B04601
Instrument: MS-VOA5
Calibration: 3015001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0967 (1302048-13)			Lab File ID: 0204813.D			Analyzed: 02/14/13 15:40			
Fluorobenzene	1215742	7.6	1186925	7.61	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	509439	10.74	513760	10.74	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	360958	13.14	449847	13.15	80	50 - 200	-0.0100	+/-0.50	
GW0991 (1302048-15)			Lab File ID: 0204815.D			Analyzed: 02/14/13 16:08			
Fluorobenzene	1205023	7.6	1186925	7.61	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	509692	10.74	513760	10.74	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	356502	13.14	449847	13.15	79	50 - 200	-0.0100	+/-0.50	
GW0992 (1302048-17)			Lab File ID: 0204817.D			Analyzed: 02/14/13 16:36			
Fluorobenzene	1211687	7.6	1186925	7.61	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	500315	10.74	513760	10.74	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	365680	13.14	449847	13.15	81	50 - 200	-0.0100	+/-0.50	
GW0993 (1302048-19)			Lab File ID: 0204819.D			Analyzed: 02/14/13 17:04			
Fluorobenzene	1211390	7.59	1186925	7.61	102	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	513105	10.74	513760	10.74	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	368247	13.13	449847	13.15	82	50 - 200	-0.0200	+/-0.50	
GW0994 (1302048-21)			Lab File ID: 0204821.D			Analyzed: 02/14/13 17:32			
Fluorobenzene	1210736	7.6	1186925	7.61	102	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	500605	10.74	513760	10.74	97	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	366623	13.14	449847	13.15	81	50 - 200	-0.0100	+/-0.50	
LCS Dup (3B14017-BSD1)			Lab File ID: 0214LCD1.D			Analyzed: 02/14/13 21:15			
Fluorobenzene	1266313	7.59	1186925	7.61	107	50 - 200	-0.0200	+/-0.50	
Chlorobenzene-d5	508627	10.74	513760	10.74	99	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	424441	13.13	449847	13.15	94	50 - 200	-0.0200	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	0.1929244	2	0.1672162	4	0.1506989	20	0.1208705	100	0.1277185	200	0.1242547
Acetonitrile	5	0.0651547	10	6.445973E-02	20	6.164226E-02	100	6.133063E-02	500	6.068026E-02	1000	5.744228E-02
Acrolein	2.508	1.599099E-02	5.016	1.293139E-02	10.03	9.436593E-03	50.15	1.149318E-02	250.8	0.0174144	501.5	3.590754E-02
Acrylonitrile	2.498	0.1161832	4.996	0.1067271	9.994	0.1184856	49.97	0.1230444	249.8	0.1181285	499.7	0.1138522
Benzene	0.5	1.198232	1	1.202135	2	1.146269	10	1.163266	50	1.103451	100	1.044994
Allyl chloride	0.5	0.1288925	1	0.1538927	2	0.1447353	10	0.1605389	50	0.1538841	100	0.1508592
Bromobenzene	0.5	0.8048552	1	0.7885816	2	0.8381654	10	0.8543317	50	0.8141348	100	0.836611
Bromochloromethane	0.5	0.1778227	1	0.1778115	2	0.1852009	10	0.1868664	50	0.1821479	100	0.1850468
Tert-Amyl Methyl Ether	0.5	0.7310121	1	0.7801918	2	0.8003589	10	0.8102789	50	0.8039189	100	0.7779215
Bromodichloromethane	0.5	0.3893704	1	0.3673361	2	0.3858294	10	0.4049998	50	0.3974455	100	0.4010862
Bromoform	0.5	0.4411392	1	0.4424554	2	0.4698967	10	0.5133223	50	0.5588874	100	0.5890621
Bromomethane	0.5	0.3231634	1	0.239947	2	0.2513116	10	0.2499319	50	0.2455145	100	0.2475976
Bromofluorobenzene	30	0.9193447	35	0.8982906	40	0.9035987	60	0.8592836	70	0.8791221	30	0.9902733
n-Butylbenzene	0.5	1.68888	1	1.615666	2	1.657823	10	1.692981	50	1.658319	100	1.702877
2-Butanone	1	0.1637568	2	0.1988789	4	0.1980386	20	0.1805294	100	0.1753203	200	0.175068
sec-Butylbenzene	0.5	2.529329	1	2.480932	2	2.311389	10	2.439612	50	2.290144	100	2.254036
tert-Butylbenzene	0.5	1.791887	1	1.944465	2	1.855873	10	1.903892	50	1.849441	100	1.847527
Carbon disulfide	0.5	1.039923	1	0.9232123	2	0.8509915	10	0.9606679	50	0.925753	100	0.9086272
Carbon tetrachloride	0.5	0.3497208	1	0.3191908	2	0.3176752	10	0.3349064	50	0.3367104	100	0.3468976
Chlorobenzene	0.5	1.687474	1	1.739628	2	1.70831	10	1.70512	50	1.684236	100	1.65356
Chloroethane	0.5	0.243284	1	0.1860579	2	0.1857169	10	0.2004699	50	0.19725	100	0.1926341
Chloroform	0.5	0.7932417	1	0.6256633	2	0.578132	10	0.5474813	50	0.508508	100	0.5024251
2-Chloroethyl vinyl ether	0.9975	0.1130584	1.995	0.1089635	3.99	0.1222233	19.95	0.117682	99.75	0.1160952	199.5	0.1205606
Chloromethane	0.5	0.4367677	1	0.3791314	2	0.3530826	10	0.3934826	50	0.3880374	100	0.3719879
1-Chlorohexane	0.5	1.031974	1	0.9348039	2	0.787873	10	0.7907927	50	0.7539979	100	0.7604095
2-Chlorotoluene	0.5	1.970827	1	1.958388	2	1.967608	10	2.003562	50	1.886349	100	1.854962
Chloroprene	0.5	0.4779917	1	0.4807145	2	0.4840899	10	0.4893137	50	0.4728022	100	0.4729755
4-Chlorotoluene	0.5	2.487803	1	2.301752	2	2.273924	10	2.236391	50	2.140052	100	2.102283
Cyclohexane	0.5	0.4601763	1	0.5083463	2	0.455592	10	0.4795055	50	0.4374524	100	0.4473295
Dibromochloromethane	0.5	0.7017898	1	0.7363202	2	0.6904755	10	0.7775585	50	0.8110108	100	0.838881
1,2-Dibromo-3-chloropropane	0.5	0.1214509	1	0.1295382	2	0.1137994	10	0.1220874	50	0.1363845	100	0.1464952

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_078

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 3015001

Instrument: MS-VOA5

Matrix: Water

Calibration Dates: 1/14/13_12:28 1/14/13_16:10

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane (EDB)	0.5	0.6903665	1	0.6753397	2	0.7010402	10	0.7157685	50	0.7159992	100	0.7214761
Dibromomethane	0.5	0.2187567	1	0.2083356	2	0.2171485	10	0.2247737	50	0.2201384	100	0.2175016
1,2-Dichlorobenzene	0.5	1.33445	1	1.348878	2	1.329319	10	1.353154	50	1.300669	100	1.310405
1,3-Dichlorobenzene	0.5	1.408335	1	1.516598	2	1.422334	10	1.438015	50	1.351118	100	1.375203
trans-1,4-Dichloro-2-butene	0.5	0.2784958	1	0.2172	2	0.2126392	10	0.2241013	50	0.2436324	100	0.2541858
cis-1,4-Dichloro-2-butene	0.5	0.2385875	1	0.2299985	2	0.2416318	10	0.2415675	50	0.239505	100	0.2476024
1,4-Dichlorobenzene	0.5	1.424622	1	1.478738	2	1.434937	10	1.438196	50	1.376535	100	1.390125
Dichlorodifluoromethane	0.5	0.1835402	1	0.2147769	2	0.1997888	10	0.259044	50	0.2627093	100	0.2665071
1,1-Dichloroethane	0.5	0.6080857	1	0.6409664	2	0.5890071	10	0.6168682	50	0.611152	100	0.5883229
1,2-Dichloroethane	0.5	0.4310502	1	0.4500878	2	0.4325671	10	0.428201	50	0.4096675	100	0.4123967
1,1-Dichloroethene	0.5	0.3096154	1	0.2790048	2	0.246304	10	0.2843023	50	0.2930649	100	0.2878255
cis-1,2-Dichloroethene	0.5	0.3152086	1	0.3389864	2	0.3323642	10	0.3264196	50	0.3099071	100	0.31078
trans-1,2-Dichloroethene	0.5	0.3160372	1	0.3030877	2	0.3047161	10	0.3187164	50	0.3121985	100	0.3011792
1,2-Dichloroethene (total)	1	0.3156229	2	0.3210371	4	0.3185401	20	0.322568	100	0.3110528	200	0.3059796
1,2-Dichloropropane	0.5	0.3423874	1	0.3768955	2	0.348601	10	0.3603336	50	0.3368819	100	0.3274988
1,3-Dichloropropane	0.5	1.049357	1	1.080326	2	1.091	10	1.062378	50	1.042433	100	1.040614
2,2-Dichloropropane	0.5	0.3669147	1	0.406517	2	0.3784444	10	0.3718966	50	0.3669859	100	0.3660297
1,1-Dichloropropene	0.5	0.4177922	1	0.4217381	2	0.3898051	10	0.4099852	50	0.3774624	100	0.3749388
cis-1,3-Dichloropropene	0.5	0.4469183	1	0.3973064	2	0.4633513	10	0.4555331	50	0.4446869	100	0.4392236
trans-1,3-Dichloropropene	0.5	0.8493991	1	0.968858	2	0.9188363	10	0.9648393	50	0.9883243	100	0.966207
Diisopropyl Ether	0.5	1.491937	1	1.508546	2	1.415598	10	1.476009	50	1.30506	100	1.269111
1,4-Dioxane	10	3.21299E-03	20	2.010328E-03	40	2.709172E-03	200	2.731019E-03	1000	2.64134E-03	2000	2.651953E-03
Ethylbenzene	0.5	2.784909	1	2.846039	2	2.813026	10	2.778109	50	2.690058	100	2.581371
Ethyl tert-Butyl Ether	0.5	1.051482	1	1.012959	2	1.041514	10	1.000807	50	0.9616282	100	0.9375609
Ethyl Methacrylate	0.5	0.7351658	1	0.7870053	2	0.792158	10	0.8285741	50	0.8565282	100	0.8502257
Hexachlorobutadiene	0.5	0.3570183	1	0.3140725	2	0.3048596	10	0.3090114	50	0.2969977	100	0.3186043
Hexane	0.4982	0.4323997	0.9964	0.4030653	1.993	0.3496325	9.965	0.3854466	49.82	0.3385106	99.65	0.3502374
2-Hexanone	1	0.5906358	2	0.4999464	4	0.5501788	20	0.5396788	100	0.5486032	200	0.5456621
Iodomethane	0.5	~~0.4060258~~	1	0.3872753	2	0.3949948	10	0.4832299	50	0.5375454	100	0.5644055
Isobutyl alcohol	10	7.395469E-03	20	7.310004E-03	40	6.755731E-03	200	7.523197E-03	1000	0.0072829	2000	7.478854E-03
Isopropylbenzene	0.5	2.254469	1	2.222127	2	2.171065	10	2.180701	50	2.163877	100	2.153812

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_078

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 3015001

Instrument: MS-VOA5

Matrix: Water

Calibration Dates: 1/14/13_12:28 1/14/13_16:10

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p-Isopropyltoluene	0.5	1.970504	1	1.955871	2	1.963212	10	1.974509	50	1.923652	100	1.891542
Methacrylonitrile	5	0.2388964	10	0.24382	20	0.2497638	100	0.2266294	500	0.2006915	1000	0.1780491
Methylene chloride	0.5	0.3868845	1	0.3509048	2	0.3657078	10	0.3426013	50	0.3335032	100	0.3247809
Methyl Acetate	0.5	0.2961916	1	0.3084828	2	0.2826724	10	0.3087603	50	0.2825482	100	0.2691663
Methylcyclohexane	0.5	0.367329	1	0.3500022	2	0.3430977	10	0.346184	50	0.3297866	100	0.3370125
Naphthalene	0.5	1.274696	1	0.9111583	2	0.9667392	10	0.9182571	50	0.8995133	100	1.037918
Methyl Methacrylate	0.5	0.2886926	1	0.2952926	2	0.3043822	10	0.3084768	50	0.30665	100	0.3061319
4-Methyl-2-pentanone	1	0.3299581	2	0.3191806	4	0.3482368	20	0.3479503	100	0.3263073	200	0.3188207
Methyl t-Butyl Ether	0.5	0.7365639	1	0.7155331	2	0.7607229	10	0.7479137	50	0.7404755	100	0.7199572
n-Propylbenzene	0.5	3.098078	1	3.087656	2	2.900271	10	3.10102	50	2.903779	100	2.78201
Propionitrile	5	3.324025E-02	10	4.197072E-02	20	4.105336E-02	100	4.114025E-02	500	3.898798E-02	1000	3.918131E-02
Styrene	0.5	1.743598	1	1.547629	2	1.691342	10	1.733402	50	1.706956	100	1.689524
1,1,2,2-Tetrachloroethane	0.5	0.7749778	1	0.7704281	2	0.7754937	10	0.7675224	50	0.735531	100	0.7384902
1,1,1,2-Tetrachloroethane	0.5	0.6184492	1	0.6137157	2	0.5719485	10	0.6307781	50	0.651028	100	0.6718191
tert-Butyl alcohol	2.5	2.291974E-02	5	2.238028E-02	10	2.193438E-02	50	2.344172E-02	250	2.413043E-02	500	2.385819E-02
Tetrachloroethene	0.5	0.8747291	1	0.7659195	2	0.696509	10	0.7572346	50	0.7340021	100	0.7527298
Toluene	0.5	1.598968	1	1.530899	2	1.569737	10	1.499812	50	1.469852	100	1.418487
1,2,3-Trichlorobenzene	0.5	0.6361613	1	0.5076568	2	0.4923984	10	0.4879104	50	0.479206	100	0.5256357
1,2,4-Trichlorobenzene	0.5	0.7194296	1	0.6373556	2	0.5862074	10	0.6019947	50	0.6039067	100	0.6501246
1,1,2-Trichloroethane	0.5	0.5184205	1	0.4963578	2	0.5508437	10	0.5307493	50	0.5165474	100	0.5192445
1,1,1-Trichloroethane	0.5	0.4044099	1	0.3928345	2	0.3954197	10	0.3981512	50	0.3929356	100	0.3944235
Tetrahydrofuran	0.5	~~4.089259E-02~~	1	2.615478E-02	2	0.0297928	10	2.903902E-02	50	2.921932E-02	100	2.886296E-02
Trichloroethene	0.5	0.3430503	1	0.3451815	2	0.3145694	10	0.3158111	50	0.307749	100	0.3026244
Trichlorofluoromethane	0.5	0.4414494	1	0.4228458	2	0.3898557	10	0.4516961	50	0.4435473	100	0.4547182
1,2,3-Trichloropropane	0.5	0.1708533	1	0.1700723	2	0.1971098	10	0.1947212	50	0.2026784	100	0.1985539
1,3,5-Trimethylbenzene	0.5	2.030906	1	1.964332	2	1.924767	10	1.990872	50	1.898571	100	1.923851
1,2,4-Trimethylbenzene	0.5	1.916789	1	1.999247	2	2.022786	10	2.004743	50	1.912365	100	1.912787
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.3174873	1	0.2873538	2	0.2590001	10	0.2875515	50	0.2863348	100	0.291198
Vinyl chloride	0.5	0.233962	1	0.2194334	2	0.1706434	10	0.1943716	50	0.1653782	100	0.1830274
m,p-Xylene	1	2.182551	2	2.117861	4	2.100079	20	2.084354	100	1.950214	200	1.795296
o-Xylene	0.5	2.303241	1	2.229601	2	2.241102	10	2.166095	50	2.082546	100	2.033478

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13_12:28 1/14/13_16:10

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Vinyl acetate	0.9962	0.8613547	1.992	0.9033994	3.985	0.8913855	19.92	0.9180376	99.62	0.8389423	199.2	0.7903024
Xylenes (total)	1.5	2.222781	3	2.155108	6	2.147087	30	2.111601	150	1.994325	300	1.87469
Dibromofluoromethane	30	0.321301	35	0.3243227	40	0.3210687	60	0.3273596	70	0.3119419	30	0.3220501
1,2-Dichloroethane-d4	30	6.628716E-02	35	6.672003E-02	40	6.626646E-02	60	6.719846E-02	70	6.614837E-02	30	6.465765E-02
Toluene-d8	30	2.153386	35	2.117067	40	2.121173	60	2.093227	70	2.067761	30	2.269109
tert-Amyl alcohol	2.5	1.271109E-02	5	1.668162E-02	10	1.610531E-02	50	1.678065E-02	250	1.709787E-02	500	0.0174946
tert-Amyl ethyl ether	0.5	0.8228651	1	0.7850741	2	0.8128628	10	0.8133302	50	0.7866846	100	0.767883
1,3,5-Trichlorobenzene	0.5	0.8072281	1	0.8029867	2	0.7874614	10	0.7887486	50	0.7620332	100	0.7998402
Diethyl ether	0.5	0.2584064	1	0.2542655	2	0.2746299	10	0.2799401	50	0.2799771	100	0.2681507

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	300	0.1085239	400	0.1138208								
Acetonitrile	1500	0.0523764	2000	5.356616E-02								
Acrolein	752.2	4.850121E-02	1003	5.889791E-02								
Acrylonitrile	749.6	0.1056248	999.4	0.1108248								
Benzene	150	0.9578234	200	0.8971547								
Allyl chloride	150	0.1448183	200	0.1430493								
Bromobenzene	150	0.8341341	200	0.8248411								
Bromochloromethane	150	0.1770007	200	0.174433								
Tert-Amyl Methyl Ether	150	0.7112583	200	0.6999467								
Bromodichloromethane	150	0.377711	200	0.3771937								
Bromoform	150	0.5636126	200	0.5958055								
Bromomethane	150	0.2398122	200	0.23689								
Bromofluorobenzene	30	0.9954998	30	1.01042								
n-Butylbenzene	150	1.640219	200	1.549748								
2-Butanone	300	0.1686893	400	0.1808715								
sec-Butylbenzene	150	2.136007	200	1.998071								
tert-Butylbenzene	150	1.822128	200	1.734045								
Carbon disulfide	150	0.8559887	200	0.8368884								
Carbon tetrachloride	150	0.3301372	200	0.3306238								
Chlorobenzene	150	1.55322	200	1.47658								
Chloroethane	150	0.1866724	200	0.1818907								
Chloroform	150	0.4774727	200	0.4633934								
2-Chloroethyl vinyl ether	299.2	0.1133347	399	0.1119131								
Chloromethane	150	0.3588405	200	0.3418333								
1-Chlorohexane	150	0.7291618	200	0.703803								
2-Chlorotoluene	150	1.790946	200	1.726345								
Chloroprene	150	0.4463413	200	0.4376904								
4-Chlorotoluene	150	2.05022	200	1.939517								
Cyclohexane	150	0.4157524	200	0.4102546								
Dibromochloromethane	150	0.8060836	200	0.812895								
1,2-Dibromo-3-chloropropane	150	0.141383	200	0.154679								

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane (EDB)	150	0.6887618	200	0.7072498								
Dibromomethane	150	0.2079637	200	0.2091414								
1,2-Dichlorobenzene	150	1.276927	200	1.248823								
1,3-Dichlorobenzene	150	1.360609	200	1.311199								
trans-1,4-Dichloro-2-butene	150	0.2488482	200	0.2618126								
cis-1,4-Dichloro-2-butene	150	0.2491901	200	0.2627914								
1,4-Dichlorobenzene	150	1.358586	200	1.317533								
Dichlorodifluoromethane	150	0.2388435	200	0.2344418								
1,1-Dichloroethane	150	0.5569521	200	0.5502521								
1,2-Dichloroethane	150	0.3894158	200	0.3868212								
1,1-Dichloroethene	150	0.2707078	200	0.2666962								
cis-1,2-Dichloroethene	150	0.2981259	200	0.2949269								
trans-1,2-Dichloroethene	150	0.2854144	200	0.2757191								
1,2-Dichloroethene (total)	300	0.2917702	400	0.285323								
1,2-Dichloropropane	150	0.3136435	200	0.3033015								
1,3-Dichloropropane	150	0.9773766	200	0.9790606								
2,2-Dichloropropane	150	0.3490375	200	0.3434323								
1,1-Dichloropropene	150	0.3508942	200	0.3432982								
cis-1,3-Dichloropropene	150	0.4156434	200	0.4070446								
trans-1,3-Dichloropropene	150	0.9032972	200	0.8882049								
Diisopropyl Ether	150	1.188002	200	1.144911								
1,4-Dioxane	3000	2.411063E-03	4000	2.614497E-03								
Ethylbenzene	150	2.36811	200	2.182354								
Ethyl tert-Butyl Ether	150	0.8763535	200	0.8481356								
Ethyl Methacrylate	150	0.8074174	200	0.8386353								
Hexachlorobutadiene	150	0.3235014	200	0.3352867								
Hexane	149.5	0.3346702	199.3	0.3283573								
2-Hexanone	300	0.5000693	400	0.5344372								
Iodomethane	150	0.5401296	200	0.5318053								
Isobutyl alcohol	3000	6.992775E-03	4000	7.677213E-03								
Isopropylbenzene	150	1.947979	200	1.83373								

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p-Isopropyltoluene	150	1.835535	200	1.720122								
Methacrylonitrile	1500	~~0.1530124~~	2000	~~0.1471525~~								
Methylene chloride	150	0.3126561	200	0.312881								
Methyl Acetate	150	0.247859	200	0.2639073								
Methylcyclohexane	150	0.3168291	200	0.3120404								
Naphthalene	150	1.025252	200	1.085344								
Methyl Methacrylate	150	0.2822829	200	0.293837								
4-Methyl-2-pentanone	300	0.2843332	400	0.2911089								
Methyl t-Butyl Ether	150	0.667742	200	0.6645859								
n-Propylbenzene	150	2.608597	200	2.397782								
Propionitrile	1500	3.633671E-02	2000	0.0384046								
Styrene	150	1.590027	200	1.525947								
1,1,2,2-Tetrachloroethane	150	0.7255898	200	0.7532426								
1,1,1,2-Tetrachloroethane	150	0.6532102	200	0.6523499								
tert-Butyl alcohol	750	2.129831E-02	1000	2.362774E-02								
Tetrachloroethene	150	0.7264082	200	0.7161467								
Toluene	150	1.337666	200	1.269787								
1,2,3-Trichlorobenzene	150	0.5176797	200	0.5529998								
1,2,4-Trichlorobenzene	150	0.6565615	200	0.678902								
1,1,2-Trichloroethane	150	0.4929736	200	0.5016297								
1,1,1-Trichloroethane	150	0.3744123	200	0.3727232								
Tetrahydrofuran	150	2.730923E-02	200	3.040281E-02								
Trichloroethene	150	0.2875683	200	0.2771212								
Trichlorofluoromethane	150	0.4183027	200	0.4121636								
1,2,3-Trichloropropane	150	0.1881925	200	0.1980532								
1,3,5-Trimethylbenzene	150	1.838876	200	1.750305								
1,2,4-Trimethylbenzene	150	1.826589	200	1.730033								
1,1,2-Trichloro-1,2,2-trifluoroethan	150	0.2699672	200	0.2716716								
Vinyl chloride	150	0.1603694	200	~~0.1490765~~								
m,p-Xylene	300	1.564015	400	1.420675								
o-Xylene	150	1.865511	200	1.752676								

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Vinyl acetate	298.9	0.7009659	398.5	0.6665041								
Xylenes (total)	450	1.664514	600	1.531342								
Dibromofluoromethane	30	0.3164139	30	0.3252253								
1,2-Dichloroethane-d4	30	6.391151E-02	30	6.463133E-02								
Toluene-d8	30	2.264771	30	2.335172								
tert-Amyl alcohol	750	1.576621E-02	1000	1.824834E-02								
tert-Amyl ethyl ether	150	0.7151385	200	0.6826084								
1,3,5-Trichlorobenzene	150	0.8076815	200	0.8001804								
Diethyl ether	150	0.2507489	200	0.2520578								

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	0.1382535	21.30398	3.41375	0.2178597		0.9971115	0.99	
Acetonitrile	5.958155E-02	7.924362	3.48125	0.1844488			15	
Acrolein	2.632165E-02	72.01783	3.31	0.2282789		0.9990882	0.99	
Acrylonitrile	0.1141088	5.307779	4.2075	0.1088871			15	
Benzene	1.089166	10.39232	7.3275	6.032996E-02			15	
Allyl chloride	0.1475838	6.497849	4.2925	0.1094669			15	
Bromobenzene	0.8244569	2.552397	12.09	4.445683E-02			15	
Bromochloromethane	0.1807912	2.550141	6.40875	5.248492E-02			15	
Tert-Amyl Methyl Ether	0.7643609	5.742162	7.52625	7.033283E-02			15	
Bromodichloromethane	0.3876215	3.384167	8.3225	5.844847E-02			15	
Bromoform	0.5217727	12.27023	11.495	4.700326E-02			SPCC (0.1)	
Bromomethane	0.254271	11.13488	2.57125	0.1388359			15	
Bromofluorobenzene	0.9319791	6.251862	11.9325	3.547783E-02			15	
n-Butylbenzene	1.650814	3.037905	13.5275	3.600818E-02			15	
2-Butanone	0.1801441	7.023776	5.855	9.383675E-02			15	
sec-Butylbenzene	2.30494	7.778588	12.9825	3.927922E-02			15	
tert-Butylbenzene	1.843657	3.499986	12.75125	5.062703E-02			15	
Carbon disulfide	0.9127565	7.355874	4.39125	7.948044E-02			15	
Carbon tetrachloride	0.3332328	3.457246	7.29375	0.1011295			15	
Chlorobenzene	1.651016	5.441227	10.775	5.207328E-02			SPCC (0.3)	
Chloroethane	0.196747	10.08304	2.695	0.1984776			15	
Chloroform	0.5620397	19.17184	6.3825	7.537662E-02		0.9999413	CCC (20)	
2-Chloroethyl vinyl ether	0.1154789	3.902533	8.695	0.0588484			15	
Chloromethane	0.3778954	7.829223	2.03875	0.313582			SPCC (0.1)	
1-Chlorohexane	0.811602	13.9006	10.74875	3.291792E-02			15	
2-Chlorotoluene	1.894873	5.192853	12.31125	0.0363224			15	
Chloroprene	0.4702399	3.913048	5.67125	5.760295E-02			15	
4-Chlorotoluene	2.191493	7.767275	12.375	4.132915E-02			15	
Cyclohexane	0.4518011	7.148116	7.2275	6.239132E-02			15	
Dibromochloromethane	0.7718768	7.214693	10	5.323321E-02			15	
1,2-Dibromo-3-chloropropane	0.1332272	10.4874	14.11875	1.564324E-02			15	
1,2-Dibromoethane (EDB)	0.7020002	2.293596	10.2175	4.299425E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Dibromomethane	0.21547	2.900413	8.255	6.232218E-02			15	
1,2-Dichlorobenzene	1.312828	2.762113	13.4775	3.367163E-02			15	
1,3-Dichlorobenzene	1.397926	4.525521	13.06875	2.541396E-02			15	
trans-1,4-Dichloro-2-butene	0.2426144	9.497938	11.90125	2.265941E-02			15	
cis-1,4-Dichloro-2-butene	0.2438593	3.951383	11.58625	0.0504235			15	
1,4-Dichlorobenzene	1.402409	3.675943	13.16125	2.233406E-02			15	
Dichlorodifluoromethane	0.2324564	13.2082	1.85	0.4085857			15	
1,1-Dichloroethane	0.5952008	5.140693	5.405	0.1000782			SPCC (0.1)	
1,2-Dichloroethane	0.4175259	5.281869	7.155	7.507074E-02			15	
1,1-Dichloroethene	0.2796901	6.792541	3.86	0.1382532			CCC (20)	
cis-1,2-Dichloroethene	0.3158398	4.981897	6.1275	7.440473E-02			15	
trans-1,2-Dichloroethene	0.3021336	4.933633	5.02	0.0136309			15	
1,2-Dichloroethene (total)	0.3089867	4.468846	6.1275	7.440473E-02			15	
1,2-Dichloropropane	0.3386929	7.100269	8.14875	4.192432E-02			CCC (20)	
1,3-Dichloropropane	1.040318	4.054882	9.74875	3.549582E-02			15	
2,2-Dichloropropane	0.3686573	5.201159	6.23125	5.685486E-02			15	
1,1-Dichloropropene	0.3857393	7.67054	7.17875	5.149072E-02			15	
cis-1,3-Dichloropropene	0.4337134	5.541059	8.905	6.040617E-02			15	
trans-1,3-Dichloropropene	0.9309958	5.216385	9.385	5.741287E-02			15	
Diisopropyl Ether	1.349897	10.56333	5.78625	9.078879E-02			15	
1,4-Dioxane	2.622795E-03	12.79812	8.3025	5.120899E-02			15	
Ethylbenzene	2.630497	9.099369	10.925	4.660921E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.966305	7.742467	6.2575	7.417242E-02			15	
Ethyl Methacrylate	0.8119637	4.963797	9.58	0.0101856			15	
Hexachlorobutadiene	0.319919	5.945366	15.47875	2.322852E-02			15	
Hexane	0.3652899	10.25731	5.62125	6.178213E-02			15	
2-Hexanone	0.5386514	5.43021	9.68875	4.151884E-02			15	
Iodomethane	0.4913408	14.78628	4.048572	9.517097E-02			15	
Isobutyl alcohol	7.302018E-03	4.089444	6.48	8.036181E-02			15	
Isopropylbenzene	2.11597	6.901589	11.82375	4.035475E-02			15	
p-Isopropyltoluene	1.904368	4.6389	13.12375	3.860331E-02			15	
Methacrylonitrile	0.222975	12.57969	6.028333	0.122802			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Methylene chloride	0.34124	7.617161	4.34	1.710448E-02			15	
Methyl Acetate	0.2824485	7.658799	4.19375	0.1231043			15	
Methylcyclohexane	0.3377852	5.351541	8.47875	0.0428504			15	
Naphthalene	1.01486	12.28619	15.3425	2.575945E-02			15	
Methyl Methacrylate	0.2982183	3.229754	8.28875	4.057554E-02			15	
4-Methyl-2-pentanone	0.320737	7.285308	8.83375	5.395845E-02			15	
Methyl t-Butyl Ether	0.7191868	4.971156	5.01125	6.801852E-02			15	
n-Propylbenzene	2.859899	8.895744	12.235	4.560034E-02			15	
Propionitrile	0.0387894	7.415876	5.5675	8.366906E-02			15	
Styrene	1.653553	5.192091	11.39875	3.005824E-02			15	
1,1,2,2-Tetrachloroethane	0.7551595	2.61674	11.74625	4.274375E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.6329123	4.971554	10.8175	4.455986E-02			15	
tert-Butyl alcohol	2.294885E-02	4.358871	3.9875	0.1160889			15	
Tetrachloroethene	0.7529599	7.208185	10.11875	3.495082E-02			15	
Toluene	1.461901	7.795162	9.3825	5.176129E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.524956	9.668083	15.6275	2.955386E-02			15	
1,2,4-Trichlorobenzene	0.6418103	6.923261	15.1925	2.820923E-02			15	
1,1,2-Trichloroethane	0.5158458	3.714955	9.5375	4.506239E-02			15	
1,1,1-Trichloroethane	0.3906637	2.866122	6.94875	5.195272E-02			15	
Tetrahydrofuran	2.868299E-02	5.115088	6.59	8.558432E-02			15	
Trichloroethene	0.3117094	7.673652	8.09875	4.766531E-02			15	
Trichlorofluoromethane	0.4293224	5.216097	3.14375	0.165433			15	
1,2,3-Trichloropropane	0.1900293	6.711361	11.87375	4.186706E-02			15	
1,3,5-Trimethylbenzene	1.91531	4.627424	12.4125	4.315194E-02			15	
1,2,4-Trimethylbenzene	1.915667	5.175553	12.7825	4.220693E-02			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2838205	6.212304	3.935	0.2352882			15	
Vinyl chloride	0.1895979	14.80018	2.171429	0.1749036			CCC (20)	
m,p-Xylene	1.901881	14.83731	11.03875	3.276585E-02			15	
o-Xylene	2.084281	9.259985	11.42875	3.668688E-02			15	
Vinyl acetate	0.8213615	11.48846	5.48375	9.262346E-02			15	
Xylenes (total)	1.962681	12.84009	11.42875	3.668688E-02			15	
Dibromofluoromethane	0.3212104	1.548871	6.5575	0.0721185			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_078
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 3015001
Instrument: MS-VOA5
Matrix: Water
Calibration Dates: 1/14/13 12:28 1/14/13 16:10

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dichloroethane-d4	6.572762E-02	1.779299	7.06125	4.605941E-02			15	
Toluene-d8	2.177708	4.506548	9.305	5.939259E-02			15	
tert-Amyl alcohol	1.636071E-02	10.17797	6.76375	0.1086616			15	
tert-Amyl ethyl ether	0.7733058	6.480373	8.425	6.169704E-02			15	
1,3,5-Trichlorobenzene	0.79452	1.905944	14.6425	2.672997E-02			15	
Diethyl ether	0.264772	4.689252	3.52125	0.1004199			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0114ICV2.D	Calibration Date:	01/14/13 12:28
Sequence:	3A01502	Injection Date:	01/14/13
Lab Sample ID:	3A01502-ICV2	Injection Time:	18:02

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	Q	200.0	188.2	0.1382535	0.1119371		-5.9	20
Benzene	A	100.0	94.70	1.089166	1.031414		-5.3	20
Bromobenzene	A	100.0	100.9	0.8244569	0.8315716		0.9	20
Bromochloromethane	A	100.0	98.24	0.1807912	0.1776034		-1.8	20
Bromodichloromethane	A	100.0	97.40	0.3876215	0.3775601		-2.6	20
Bromoform	A	100.0	109.6	0.5217727	0.5716842	0.1	9.6	20
Bromomethane	A	100.0	91.62	0.254271	0.2329548		-8.4	20
n-Butylbenzene	A	100.0	97.37	1.650814	1.607445		-2.6	20
2-Butanone	A	200.0	179.7	0.1801441	0.1618511		-10.2	20
sec-Butylbenzene	A	100.0	89.13	2.30494	2.054493		-10.9	20
tert-Butylbenzene	A	100.0	93.97	1.843657	1.732425		-6.0	20
Carbon disulfide	A	100.0	87.42	0.9127565	0.7978887		-12.6	20
Carbon tetrachloride	A	100.0	97.46	0.3332328	0.3247556		-2.5	20
Chlorobenzene	A	100.0	91.28	1.651016	1.507085	0.3	-8.7	20
Chloroethane	A	100.0	95.04	0.196747	0.1869826		-5.0	20
Chloroform	Q	100.0	96.39	0.5620397	0.4805391		-3.6	20
Chloromethane	A	100.0	88.04	0.3778954	0.3326992	0.1	-12.0	20
2-Chlorotoluene	A	100.0	90.77	1.894873	1.719986		-9.2	20
4-Chlorotoluene	A	100.0	90.89	2.191493	1.991771		-9.1	20
Dibromochloromethane	A	100.0	103.3	0.7718768	0.7975017		3.3	20
1,2-Dibromo-3-chloropropane	A	100.0	105.4	0.1332272	0.1403929		5.4	20
1,2-Dibromoethane (EDB)	A	100.0	97.32	0.7020002	0.6831566		-2.7	20
Dibromomethane	A	100.0	96.57	0.21547	0.208084		-3.4	20
1,2-Dichlorobenzene	A	100.0	92.44	1.312828	1.213613		-7.6	20
1,3-Dichlorobenzene	A	100.0	90.53	1.397926	1.265511		-9.5	20
1,4-Dichlorobenzene	A	100.0	97.93	1.402409	1.373314		-2.1	20
Dichlorodifluoromethane	A	100.0	97.43	0.2324564	0.2264857		-2.6	20
1,1-Dichloroethane	A	100.0	95.29	0.5952008	0.5671408	0.1	-4.7	20
1,2-Dichloroethane	A	100.0	92.84	0.4175259	0.3876226		-7.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0114ICV2.D	Calibration Date:	01/14/13 12:28
Sequence:	3A01502	Injection Date:	01/14/13
Lab Sample ID:	3A01502-ICV2	Injection Time:	18:02

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	88.90	0.2796901	0.248638		-11.1	20
cis-1,2-Dichloroethene	A	100.0	97.15	0.3158398	0.3068325		-2.9	20
trans-1,2-Dichloroethene	A	100.0	95.63	0.3021336	0.2889156		-4.4	20
1,2-Dichloropropane	A	100.0	94.53	0.3386929	0.320156		-5.5	20
1,3-Dichloropropane	A	100.0	96.75	1.040318	1.006559		-3.2	20
2,2-Dichloropropane	A	100.0	92.19	0.3686573	0.3398762		-7.8	20
1,1-Dichloropropene	A	100.0	92.93	0.3857393	0.3584585		-7.1	20
cis-1,3-Dichloropropene	A	100.0	106.5	0.4337134	0.4620594		6.5	20
trans-1,3-Dichloropropene	A	100.0	96.91	0.9309958	0.902233		-3.1	20
Ethylbenzene	A	100.0	97.32	2.630497	2.56006		-2.7	20
Hexachlorobutadiene	A	100.0	92.87	0.319919	0.2971135		-7.1	20
2-Hexanone	A	200.0	186.0	0.5386514	0.5010718		-7.0	20
Isopropylbenzene	A	100.0	97.37	2.11597	2.060257		-2.6	20
p-Isopropyltoluene	A	100.0	92.29	1.904368	1.757611		-7.7	20
Methylene chloride	A	100.0	92.90	0.34124	0.3170118		-7.1	20
Naphthalene	A	100.0	92.66	1.01486	0.9404167		-7.3	20
4-Methyl-2-pentanone	A	200.0	185.2	0.320737	0.2969946		-7.4	20
Methyl t-Butyl Ether	A	100.0	95.93	0.7191868	0.6899491		-4.1	20
n-Propylbenzene	A	100.0	89.96	2.859899	2.57283		-10.0	20
Styrene	A	100.0	102.7	1.653553	1.698843		2.7	20
1,1,2,2-Tetrachloroethane	A	100.0	97.04	0.7551595	0.7328068	0.3	-3.0	20
1,1,1,2-Tetrachloroethane	A	100.0	102.3	0.6329123	0.647605		2.3	20
Tetrachloroethene	A	100.0	94.81	0.7529599	0.713877		-5.2	20
Toluene	A	100.0	96.83	1.461901	1.415557		-3.2	20
1,2,3-Trichlorobenzene	A	100.0	90.82	0.524956	0.476778		-9.2	20
1,2,4-Trichlorobenzene	A	100.0	97.34	0.6418103	0.6247474		-2.7	20
1,1,2-Trichloroethane	A	100.0	98.95	0.5158458	0.5104118		-1.1	20
1,1,1-Trichloroethane	A	100.0	96.30	0.3906637	0.3762055		-3.7	20
Trichloroethene	A	100.0	93.26	0.3117094	0.2906902		-6.7	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0114ICV2.D	Calibration Date:	01/14/13 12:28
Sequence:	3A01502	Injection Date:	01/14/13
Lab Sample ID:	3A01502-ICV2	Injection Time:	18:02

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	94.69	0.4293224	0.406545		-5.3	20
1,2,3-Trichloropropane	A	100.0	97.39	0.1900293	0.1850764		-2.6	20
1,3,5-Trimethylbenzene	A	100.0	100.7	1.91531	1.928197		0.7	20
1,2,4-Trimethylbenzene	A	100.0	96.65	1.915667	1.85158		-3.3	20
Vinyl chloride	A	100.0	80.74	0.1895979	0.1530784		-19.3	20
Xylenes (total)	A	300.0	269.4	1.962681	1.76184		-10.2	20
Bromofluorobenzene	A	30.00	31.20	0.9319791	0.9692887		4.0	20
Dibromofluoromethane	A	30.00	29.55	0.3212104	0.3163607		-1.5	20
1,2-Dichloroethane-d4	A	30.00	30.18	6.572762E-02	0.0661325		0.6	20
Toluene-d8	A	30.00	30.64	2.177708	2.224479		2.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0207CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B03901	Injection Date:	02/07/13
Lab Sample ID:	3B03901-CCV1	Injection Time:	09:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	Q	200.0	182.6	0.1382535	0.1087931		-8.7	20	
Benzene	A	100.0	96.22	1.089166	1.048042		-3.8	20	
Bromobenzene	A	100.0	105.9	0.8244569	0.8730875		5.9	20	
Bromochloromethane	A	100.0	94.78	0.1807912	0.1713602		-5.2	20	
Bromodichloromethane	A	100.0	102.4	0.3876215	0.3967118		2.3	20	
Bromoform	A	100.0	101.8	0.5217727	0.5311068	0.1	1.8	20	
Bromomethane	A	100.0	102.2	0.254271	0.2597271		2.1	20	
n-Butylbenzene	A	100.0	97.12	1.650814	1.603311		-2.9	20	
2-Butanone	A	200.0	211.4	0.1801441	0.1903755		5.7	20	
sec-Butylbenzene	A	100.0	101.5	2.30494	2.340527		1.5	20	
tert-Butylbenzene	A	100.0	103.5	1.843657	1.907492		3.5	20	
Carbon disulfide	A	100.0	107.7	0.9127565	0.9830426		7.7	20	
Carbon tetrachloride	A	100.0	99.79	0.3332328	0.3325334		-0.2	20	
Chlorobenzene	A	100.0	100.4	1.651016	1.657562	0.3	0.4	20	
Chloroethane	A	100.0	107.2	0.196747	0.2108188		7.2	20	
Chloroform	Q	100.0	103.2	0.5620397	0.5122418		3.2	20	
Chloromethane	A	100.0	124.4	0.3778954	0.4702277	0.1	24.4	20	*
2-Chlorotoluene	A	100.0	110.2	1.894873	2.088711		10.2	20	
4-Chlorotoluene	A	100.0	105.7	2.191493	2.316202		5.7	20	
Dibromochloromethane	A	100.0	101.3	0.7718768	0.7820121		1.3	20	
1,2-Dibromo-3-chloropropane	A	100.0	111.3	0.1332272	0.1482851		11.3	20	
1,2-Dibromoethane (EDB)	A	100.0	99.75	0.7020002	0.7002775		-0.2	20	
Dibromomethane	A	100.0	97.99	0.21547	0.2111305		-2.0	20	
1,2-Dichlorobenzene	A	100.0	102.9	1.312828	1.351267		2.9	20	
1,3-Dichlorobenzene	A	100.0	101.9	1.397926	1.424561		1.9	20	
1,4-Dichlorobenzene	A	100.0	102.5	1.402409	1.437574		2.5	20	
Dichlorodifluoromethane	A	100.0	171.2	0.2324564	0.3980743		71.2	20	*
1,1-Dichloroethane	A	100.0	100.4	0.5952008	0.5976793	0.1	0.4	20	
1,2-Dichloroethane	A	100.0	103.8	0.4175259	0.433516		3.8	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0207CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B03901	Injection Date:	02/07/13
Lab Sample ID:	3B03901-CCV1	Injection Time:	09:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	95.89	0.2796901	0.2681987		-4.1	20
cis-1,2-Dichloroethene	A	100.0	96.27	0.3158398	0.3040667		-3.7	20
trans-1,2-Dichloroethene	A	100.0	98.07	0.3021336	0.2962982		-1.9	20
1,2-Dichloropropane	A	100.0	99.66	0.3386929	0.3375494		-0.3	20
1,3-Dichloropropane	A	100.0	104.8	1.040318	1.089693		4.7	20
2,2-Dichloropropane	A	100.0	110.0	0.3686573	0.4053721		10.0	20
1,1-Dichloropropene	A	100.0	102.0	0.3857393	0.3932774		2.0	20
cis-1,3-Dichloropropene	A	100.0	103.1	0.4337134	0.4472283		3.1	20
trans-1,3-Dichloropropene	A	100.0	111.4	0.9309958	1.036676		11.4	20
Ethylbenzene	A	100.0	101.2	2.630497	2.661068		1.2	20
Hexachlorobutadiene	A	100.0	101.6	0.319919	0.3248664		1.5	20
2-Hexanone	A	200.0	217.4	0.5386514	0.5855711		8.7	20
Isopropylbenzene	A	100.0	99.51	2.11597	2.105588		-0.5	20
p-Isopropyltoluene	A	100.0	99.57	1.904368	1.896171		-0.4	20
Methylene chloride	A	100.0	94.84	0.34124	0.3236202		-5.2	20
Naphthalene	A	100.0	93.52	1.01486	0.9491093		-6.5	20
4-Methyl-2-pentanone	A	200.0	208.5	0.320737	0.3343564		4.2	20
Methyl t-Butyl Ether	A	100.0	101.4	0.7191868	0.7290103		1.4	20
n-Propylbenzene	A	100.0	108.1	2.859899	3.090522		8.1	20
Styrene	A	100.0	102.2	1.653553	1.689369		2.2	20
1,1,2,2-Tetrachloroethane	A	100.0	103.9	0.7551595	0.7845488	0.3	3.9	20
1,1,1,2-Tetrachloroethane	A	100.0	100.0	0.6329123	0.6332329		0.05	20
Tetrachloroethene	A	100.0	93.18	0.7529599	0.7016224		-6.8	20
Toluene	A	100.0	102.2	1.461901	1.493719		2.2	20
1,2,3-Trichlorobenzene	A	100.0	91.05	0.524956	0.4779572		-9.0	20
1,2,4-Trichlorobenzene	A	100.0	90.68	0.6418103	0.5820072		-9.3	20
1,1,2-Trichloroethane	A	100.0	104.9	0.5158458	0.5411442		4.9	20
1,1,1-Trichloroethane	A	100.0	100.0	0.3906637	0.3907181		0.01	20
Trichloroethene	A	100.0	99.90	0.3117094	0.3114034		-0.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0207CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B03901	Injection Date:	02/07/13
Lab Sample ID:	3B03901-CCV1	Injection Time:	09:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	105.4	0.4293224	0.4525007		5.4	20
1,2,3-Trichloropropane	A	100.0	102.4	0.1900293	0.1945601		2.4	20
1,3,5-Trimethylbenzene	A	100.0	101.1	1.91531	1.936237		1.1	20
1,2,4-Trimethylbenzene	A	100.0	96.74	1.915667	1.853287		-3.3	20
Vinyl chloride	A	100.0	104.3	0.1895979	0.1977688		4.3	20
Xylenes (total)	A	300.0	303.2	1.962681	1.983322		1.1	20
Bromofluorobenzene	A	30.00	29.41	0.9319791	0.9135995		-2.0	20
Dibromofluoromethane	A	30.00	28.33	0.3212104	0.3033402		-5.6	20
1,2-Dichloroethane-d4	A	30.00	28.60	6.572762E-02	6.266694E-02		-4.7	20
Toluene-d8	A	30.00	30.45	2.177708	2.210373		1.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0208CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04205	Injection Date:	02/08/13
Lab Sample ID:	3B04205-CCV1	Injection Time:	10:02

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	Q	200.0	181.3	0.1382535	0.108057		-9.4	20	
Benzene	A	100.0	96.70	1.089166	1.05318		-3.3	20	
Bromobenzene	A	100.0	104.4	0.8244569	0.8609353		4.4	20	
Bromochloromethane	A	100.0	90.98	0.1807912	0.1644855		-9.0	20	
Bromodichloromethane	A	100.0	102.5	0.3876215	0.3973673		2.5	20	
Bromoform	A	100.0	101.2	0.5217727	0.5280921	0.1	1.2	20	
Bromomethane	A	100.0	96.89	0.254271	0.2463725		-3.1	20	
n-Butylbenzene	A	100.0	99.10	1.650814	1.636028		-0.9	20	
2-Butanone	A	200.0	210.0	0.1801441	0.1891382		5.0	20	
sec-Butylbenzene	A	100.0	101.6	2.30494	2.341157		1.6	20	
tert-Butylbenzene	A	100.0	102.8	1.843657	1.895145		2.8	20	
Carbon disulfide	A	100.0	105.6	0.9127565	0.9643638		5.7	20	
Carbon tetrachloride	A	100.0	100.2	0.3332328	0.3338581		0.2	20	
Chlorobenzene	A	100.0	97.80	1.651016	1.614667	0.3	-2.2	20	
Chloroethane	A	100.0	106.6	0.196747	0.2097755		6.6	20	
Chloroform	Q	100.0	102.0	0.5620397	0.5064809		2.0	20	
Chloromethane	A	100.0	123.4	0.3778954	0.4663374	0.1	23.4	20	*
2-Chlorotoluene	A	100.0	111.3	1.894873	2.108255		11.3	20	
4-Chlorotoluene	A	100.0	107.0	2.191493	2.345257		7.0	20	
Dibromochloromethane	A	100.0	99.14	0.7718768	0.7652139		-0.9	20	
1,2-Dibromo-3-chloropropane	A	100.0	114.1	0.1332272	0.1520671		14.1	20	
1,2-Dibromoethane (EDB)	A	100.0	96.26	0.7020002	0.6757308		-3.7	20	
Dibromomethane	A	100.0	98.04	0.21547	0.2112573		-2.0	20	
1,2-Dichlorobenzene	A	100.0	102.4	1.312828	1.344609		2.4	20	
1,3-Dichlorobenzene	A	100.0	101.1	1.397926	1.41273		1.1	20	
1,4-Dichlorobenzene	A	100.0	100.0	1.402409	1.402521		0.008	20	
Dichlorodifluoromethane	A	100.0	164.9	0.2324564	0.3832256		64.9	20	*
1,1-Dichloroethane	A	100.0	100.8	0.5952008	0.5998982	0.1	0.8	20	
1,2-Dichloroethane	A	100.0	104.9	0.4175259	0.4378503		4.9	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0208CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04205	Injection Date:	02/08/13
Lab Sample ID:	3B04205-CCV1	Injection Time:	10:02

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	92.02	0.2796901	0.2573636		-8.0	20
cis-1,2-Dichloroethene	A	100.0	95.91	0.3158398	0.3029217		-4.1	20
trans-1,2-Dichloroethene	A	100.0	94.64	0.3021336	0.2859349		-5.4	20
1,2-Dichloropropane	A	100.0	100.9	0.3386929	0.3418811		0.9	20
1,3-Dichloropropane	A	100.0	103.1	1.040318	1.07236		3.1	20
2,2-Dichloropropane	A	100.0	111.1	0.3686573	0.4096255		11.1	20
1,1-Dichloropropene	A	100.0	102.1	0.3857393	0.3938409		2.1	20
cis-1,3-Dichloropropene	A	100.0	105.5	0.4337134	0.4574084		5.5	20
trans-1,3-Dichloropropene	A	100.0	112.5	0.9309958	1.047631		12.5	20
Ethylbenzene	A	100.0	99.62	2.630497	2.620377		-0.4	20
Hexachlorobutadiene	A	100.0	103.8	0.319919	0.3320296		3.8	20
2-Hexanone	A	200.0	216.7	0.5386514	0.5836394		8.4	20
Isopropylbenzene	A	100.0	98.67	2.11597	2.087842		-1.3	20
p-Isopropyltoluene	A	100.0	99.43	1.904368	1.893578		-0.6	20
Methylene chloride	A	100.0	92.39	0.34124	0.3152624		-7.6	20
Naphthalene	A	100.0	90.26	1.01486	0.9160161		-9.7	20
4-Methyl-2-pentanone	A	200.0	211.0	0.320737	0.3383875		5.5	20
Methyl t-Butyl Ether	A	100.0	102.7	0.7191868	0.7385781		2.7	20
n-Propylbenzene	A	100.0	109.2	2.859899	3.12315		9.2	20
Styrene	A	100.0	100.9	1.653553	1.668555		0.9	20
1,1,2,2-Tetrachloroethane	A	100.0	105.0	0.7551595	0.7931647	0.3	5.0	20
1,1,1,2-Tetrachloroethane	A	100.0	98.01	0.6329123	0.6203198		-2.0	20
Tetrachloroethene	A	100.0	87.64	0.7529599	0.6599093		-12.4	20
Toluene	A	100.0	101.2	1.461901	1.478888		1.2	20
1,2,3-Trichlorobenzene	A	100.0	92.20	0.524956	0.4840303		-7.8	20
1,2,4-Trichlorobenzene	A	100.0	91.39	0.6418103	0.5865614		-8.6	20
1,1,2-Trichloroethane	A	100.0	101.9	0.5158458	0.5254738		1.9	20
1,1,1-Trichloroethane	A	100.0	98.02	0.3906637	0.3829327		-2.0	20
Trichloroethene	A	100.0	97.74	0.3117094	0.3046787		-2.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0208CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04205	Injection Date:	02/08/13
Lab Sample ID:	3B04205-CCV1	Injection Time:	10:02

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	100.2	0.4293224	0.4301912		0.2	20
1,2,3-Trichloropropane	A	100.0	102.0	0.1900293	0.1937504		2.0	20
1,3,5-Trimethylbenzene	A	100.0	100.2	1.91531	1.919683		0.2	20
1,2,4-Trimethylbenzene	A	100.0	97.75	1.915667	1.872635		-2.2	20
Vinyl chloride	A	100.0	104.9	0.1895979	0.1988238		4.9	20
Xylenes (total)	A	300.0	302.4	1.962681	1.97846		0.8	20
Bromofluorobenzene	A	30.00	29.68	0.9319791	0.9220732		-1.1	20
Dibromofluoromethane	A	30.00	28.27	0.3212104	0.302696		-5.8	20
1,2-Dichloroethane-d4	A	30.00	29.90	6.572762E-02	6.551115E-02		-0.3	20
Toluene-d8	A	30.00	29.70	2.177708	2.155885		-1.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0211CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04302	Injection Date:	02/11/13
Lab Sample ID:	3B04302-CCV1	Injection Time:	07:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	Q	200.0	197.3	0.1382535	0.117014		-1.4	20	
Benzene	A	100.0	94.79	1.089166	1.032386		-5.2	20	
Bromobenzene	A	100.0	100.9	0.8244569	0.8316056		0.9	20	
Bromochloromethane	A	100.0	91.02	0.1807912	0.1645637		-9.0	20	
Bromodichloromethane	A	100.0	103.3	0.3876215	0.4003821		3.3	20	
Bromoform	A	100.0	97.61	0.5217727	0.5092929	0.1	-2.4	20	
Bromomethane	A	100.0	93.46	0.254271	0.2376419		-6.5	20	
n-Butylbenzene	A	100.0	95.66	1.650814	1.57912		-4.3	20	
2-Butanone	A	200.0	226.8	0.1801441	0.2043024		13.4	20	
sec-Butylbenzene	A	100.0	100.4	2.30494	2.313761		0.4	20	
tert-Butylbenzene	A	100.0	99.84	1.843657	1.84075		-0.2	20	
Carbon disulfide	A	100.0	103.5	0.9127565	0.9450544		3.5	20	
Carbon tetrachloride	A	100.0	103.6	0.3332328	0.3453365		3.6	20	
Chlorobenzene	A	100.0	93.52	1.651016	1.543948	0.3	-6.5	20	
Chloroethane	A	100.0	104.1	0.196747	0.2047792		4.1	20	
Chloroform	Q	100.0	101.9	0.5620397	0.5062328		1.9	20	
Chloromethane	A	100.0	122.0	0.3778954	0.4610532	0.1	22.0	20	*
2-Chlorotoluene	A	100.0	106.1	1.894873	2.010549		6.1	20	
4-Chlorotoluene	A	100.0	103.3	2.191493	2.264584		3.3	20	
Dibromochloromethane	A	100.0	95.51	0.7718768	0.7372457		-4.5	20	
1,2-Dibromo-3-chloropropane	A	100.0	108.6	0.1332272	0.144656		8.6	20	
1,2-Dibromoethane (EDB)	A	100.0	92.35	0.7020002	0.6482879		-7.7	20	
Dibromomethane	A	100.0	98.00	0.21547	0.2111624		-2.0	20	
1,2-Dichlorobenzene	A	100.0	98.46	1.312828	1.292602		-1.5	20	
1,3-Dichlorobenzene	A	100.0	98.34	1.397926	1.374702		-1.7	20	
1,4-Dichlorobenzene	A	100.0	97.64	1.402409	1.369261		-2.4	20	
Dichlorodifluoromethane	A	100.0	167.5	0.2324564	0.3894224		67.5	20	*
1,1-Dichloroethane	A	100.0	98.36	0.5952008	0.5854515	0.1	-1.6	20	
1,2-Dichloroethane	A	100.0	103.9	0.4175259	0.4339464		3.9	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0211CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04302	Injection Date:	02/11/13
Lab Sample ID:	3B04302-CCV1	Injection Time:	07:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	91.81	0.2796901	0.2567758		-8.2	20
cis-1,2-Dichloroethene	A	100.0	93.64	0.3158398	0.2957651		-6.4	20
trans-1,2-Dichloroethene	A	100.0	94.16	0.3021336	0.2844879		-5.8	20
1,2-Dichloropropane	A	100.0	99.37	0.3386929	0.3365608		-0.6	20
1,3-Dichloropropane	A	100.0	97.81	1.040318	1.017514		-2.2	20
2,2-Dichloropropane	A	100.0	109.9	0.3686573	0.4051192		9.9	20
1,1-Dichloropropene	A	100.0	101.9	0.3857393	0.3930498		1.9	20
cis-1,3-Dichloropropene	A	100.0	103.6	0.4337134	0.4491593		3.6	20
trans-1,3-Dichloropropene	A	100.0	105.9	0.9309958	0.9859326		5.9	20
Ethylbenzene	A	100.0	95.97	2.630497	2.524473		-4.0	20
Hexachlorobutadiene	A	100.0	102.3	0.319919	0.3273828		2.3	20
2-Hexanone	A	200.0	229.1	0.5386514	0.6169519		14.5	20
Isopropylbenzene	A	100.0	95.12	2.11597	2.012783		-4.9	20
p-Isopropyltoluene	A	100.0	97.61	1.904368	1.858864		-2.4	20
Methylene chloride	A	100.0	89.73	0.34124	0.306208		-10.3	20
Naphthalene	A	100.0	88.48	1.01486	0.8979815		-11.5	20
4-Methyl-2-pentanone	A	200.0	234.4	0.320737	0.3759674		17.2	20
Methyl t-Butyl Ether	A	100.0	101.2	0.7191868	0.7281926		1.3	20
n-Propylbenzene	A	100.0	106.0	2.859899	3.032226		6.0	20
Styrene	A	100.0	96.26	1.653553	1.591666		-3.7	20
1,1,2,2-Tetrachloroethane	A	100.0	98.95	0.7551595	0.7472395	0.3	-1.0	20
1,1,1,2-Tetrachloroethane	A	100.0	95.17	0.6329123	0.6023112		-4.8	20
Tetrachloroethene	A	100.0	85.67	0.7529599	0.6450834		-14.3	20
Toluene	A	100.0	95.99	1.461901	1.403315		-4.0	20
1,2,3-Trichlorobenzene	A	100.0	90.93	0.524956	0.4773225		-9.1	20
1,2,4-Trichlorobenzene	A	100.0	89.17	0.6418103	0.5723162		-10.8	20
1,1,2-Trichloroethane	A	100.0	96.90	0.5158458	0.4998528		-3.1	20
1,1,1-Trichloroethane	A	100.0	100.8	0.3906637	0.3937618		0.8	20
Trichloroethene	A	100.0	98.03	0.3117094	0.3055778		-2.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0211CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04302	Injection Date:	02/11/13
Lab Sample ID:	3B04302-CCV1	Injection Time:	07:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	104.4	0.4293224	0.4481565		4.4	20
1,2,3-Trichloropropane	A	100.0	95.36	0.1900293	0.1812199		-4.6	20
1,3,5-Trimethylbenzene	A	100.0	98.13	1.91531	1.879403		-1.9	20
1,2,4-Trimethylbenzene	A	100.0	94.19	1.915667	1.8043		-5.8	20
Vinyl chloride	A	100.0	112.8	0.1895979	0.2139105		12.8	20
Xylenes (total)	A	300.0	289.1	1.962681	1.890596		-3.7	20
Bromofluorobenzene	A	30.00	29.73	0.9319791	0.9236663		-0.9	20
Dibromofluoromethane	A	30.00	28.46	0.3212104	0.3047249		-5.1	20
1,2-Dichloroethane-d4	A	30.00	27.63	6.572762E-02	6.052707E-02		-7.9	20
Toluene-d8	A	30.00	29.60	2.177708	2.148407		-1.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0214CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04601	Injection Date:	02/14/13
Lab Sample ID:	3B04601-CCV1	Injection Time:	10:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	Q	200.0	173.7	0.1382535	0.1037968		-13.1	20	
Benzene	A	100.0	98.07	1.089166	1.068159		-1.9	20	
Bromobenzene	A	100.0	101.6	0.8244569	0.8378922		1.6	20	
Bromochloromethane	A	100.0	93.79	0.1807912	0.1695653		-6.2	20	
Bromodichloromethane	A	100.0	104.4	0.3876215	0.4046654		4.4	20	
Bromoform	A	100.0	95.72	0.5217727	0.4994636	0.1	-4.3	20	
Bromomethane	A	100.0	97.92	0.254271	0.248973		-2.1	20	
n-Butylbenzene	A	100.0	103.8	1.650814	1.712985		3.8	20	
2-Butanone	A	200.0	203.0	0.1801441	0.1828446		1.5	20	
sec-Butylbenzene	A	100.0	103.8	2.30494	2.391642		3.8	20	
tert-Butylbenzene	A	100.0	105.0	1.843657	1.935109		5.0	20	
Carbon disulfide	A	100.0	103.2	0.9127565	0.9421869		3.2	20	
Carbon tetrachloride	A	100.0	103.4	0.3332328	0.3445972		3.4	20	
Chlorobenzene	A	100.0	97.93	1.651016	1.616851	0.3	-2.1	20	
Chloroethane	A	100.0	104.5	0.196747	0.2055378		4.5	20	
Chloroform	Q	100.0	104.2	0.5620397	0.5164823		4.2	20	
Chloromethane	A	100.0	116.8	0.3778954	0.4415217	0.1	16.8	20	
2-Chlorotoluene	A	100.0	109.0	1.894873	2.066342		9.0	20	
4-Chlorotoluene	A	100.0	105.5	2.191493	2.311424		5.5	20	
Dibromochloromethane	A	100.0	92.86	0.7718768	0.7167347		-7.1	20	
1,2-Dibromo-3-chloropropane	A	100.0	102.4	0.1332272	0.1364504		2.4	20	
1,2-Dibromoethane (EDB)	A	100.0	91.46	0.7020002	0.6420535		-8.5	20	
Dibromomethane	A	100.0	98.87	0.21547	0.2130276		-1.1	20	
1,2-Dichlorobenzene	A	100.0	102.2	1.312828	1.341473		2.2	20	
1,3-Dichlorobenzene	A	100.0	102.1	1.397926	1.427389		2.1	20	
1,4-Dichlorobenzene	A	100.0	101.2	1.402409	1.419044		1.2	20	
Dichlorodifluoromethane	A	100.0	148.4	0.2324564	0.3449212		48.4	20	*
1,1-Dichloroethane	A	100.0	99.92	0.5952008	0.5946965	0.1	-0.08	20	
1,2-Dichloroethane	A	100.0	105.6	0.4175259	0.4410306		5.6	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0214CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04601	Injection Date:	02/14/13
Lab Sample ID:	3B04601-CCV1	Injection Time:	10:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	93.87	0.2796901	0.2625568		-6.1	20
cis-1,2-Dichloroethene	A	100.0	96.17	0.3158398	0.3037339		-3.8	20
trans-1,2-Dichloroethene	A	100.0	96.57	0.3021336	0.2917739		-3.4	20
1,2-Dichloropropane	A	100.0	101.3	0.3386929	0.3431042		1.3	20
1,3-Dichloropropane	A	100.0	96.18	1.040318	1.000563		-3.8	20
2,2-Dichloropropane	A	100.0	110.6	0.3686573	0.4077872		10.6	20
1,1-Dichloropropene	A	100.0	103.5	0.3857393	0.3991281		3.5	20
cis-1,3-Dichloropropene	A	100.0	105.0	0.4337134	0.4553044		5.0	20
trans-1,3-Dichloropropene	A	100.0	104.0	0.9309958	0.9684699		4.0	20
Ethylbenzene	A	100.0	99.85	2.630497	2.626564		-0.1	20
Hexachlorobutadiene	A	100.0	99.83	0.319919	0.3193819		-0.2	20
2-Hexanone	A	200.0	199.0	0.5386514	0.5359831		-0.5	20
Isopropylbenzene	A	100.0	100.7	2.11597	2.130983		0.7	20
p-Isopropyltoluene	A	100.0	102.4	1.904368	1.950009		2.4	20
Methylene chloride	A	100.0	91.63	0.34124	0.3126746		-8.4	20
Naphthalene	A	100.0	90.43	1.01486	0.9177707		-9.6	20
4-Methyl-2-pentanone	A	200.0	207.9	0.320737	0.3333947		3.9	20
Methyl t-Butyl Ether	A	100.0	102.1	0.7191868	0.7345035		2.1	20
n-Propylbenzene	A	100.0	108.0	2.859899	3.088295		8.0	20
Styrene	A	100.0	102.5	1.653553	1.694851		2.5	20
1,1,2,2-Tetrachloroethane	A	100.0	94.33	0.7551595	0.7123442	0.3	-5.7	20
1,1,1,2-Tetrachloroethane	A	100.0	94.12	0.6329123	0.5956883		-5.9	20
Tetrachloroethene	A	100.0	87.56	0.7529599	0.6592853		-12.4	20
Toluene	A	100.0	98.40	1.461901	1.43857		-1.6	20
1,2,3-Trichlorobenzene	A	100.0	90.31	0.524956	0.4740759		-9.7	20
1,2,4-Trichlorobenzene	A	100.0	93.06	0.6418103	0.5972511		-6.9	20
1,1,2-Trichloroethane	A	100.0	95.43	0.5158458	0.4922859		-4.6	20
1,1,1-Trichloroethane	A	100.0	101.8	0.3906637	0.3976775		1.8	20
Trichloroethene	A	100.0	101.5	0.3117094	0.3164722		1.5	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_078
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	3015001
Lab File ID:	0214CCV1.D	Calibration Date:	01/14/13 12:28
Sequence:	3B04601	Injection Date:	02/14/13
Lab Sample ID:	3B04601-CCV1	Injection Time:	10:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	102.4	0.4293224	0.4395412		2.4	20
1,2,3-Trichloropropane	A	100.0	97.94	0.1900293	0.1861208		-2.1	20
1,3,5-Trimethylbenzene	A	100.0	103.9	1.91531	1.990085		3.9	20
1,2,4-Trimethylbenzene	A	100.0	101.2	1.915667	1.939595		1.2	20
Vinyl chloride	A	100.0	111.0	0.1895979	0.2104301		11.0	20
Xylenes (total)	A	300.0	304.6	1.962681	1.992351		1.5	20
Bromofluorobenzene	A	30.00	30.17	0.9319791	0.9372567		0.6	20
Dibromofluoromethane	A	30.00	28.43	0.3212104	0.3043865		-5.2	20
1,2-Dichloroethane-d4	A	30.00	29.25	6.572762E-02	6.408998E-02		-2.5	20
Toluene-d8	A	30.00	29.42	2.177708	2.135847		-1.9	20

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_078

Client: Shaw E & I (I700) Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0919	02/05/13 14:38	02/06/13 08:30	02/07/13 13:18	N/A	14.00	02/07/13 13:18	1.90	14.00	
GW0920	02/05/13 12:37	02/06/13 08:30	02/07/13 13:46	N/A	14.00	02/07/13 13:46	2.01	14.00	
GW0921	02/05/13 10:33	02/06/13 08:30	02/07/13 14:14	N/A	14.00	02/07/13 14:14	2.11	14.00	
GW0936	02/04/13 15:28	02/06/13 08:30	02/07/13 14:42	N/A	14.00	02/07/13 14:42	2.93	14.00	
GW0937	02/04/13 12:42	02/06/13 08:30	02/07/13 15:10	N/A	14.00	02/07/13 15:10	3.06	14.00	
GW0938	02/04/13 10:24	02/06/13 08:30	02/07/13 15:38	N/A	14.00	02/07/13 15:38	3.18	14.00	
GW0945	02/04/13 16:25	02/06/13 08:30	02/07/13 19:21	N/A	14.00	02/07/13 19:21	3.08	14.00	
GW0945	02/04/13 16:25	02/06/13 08:30	02/08/13 20:53	N/A	14.00	02/08/13 20:53	4.14	14.00	
GW0968	02/05/13 15:12	02/06/13 08:30	02/07/13 18:53	N/A	14.00	02/07/13 18:53	2.11	14.00	
GW0969	02/05/13 13:04	02/06/13 08:30	02/07/13 16:06	N/A	14.00	02/07/13 16:06	2.08	14.00	
GW0970	02/05/13 13:04	02/06/13 08:30	02/07/13 16:34	N/A	14.00	02/07/13 16:34	2.10	14.00	
GW0971	02/05/13 10:54	02/06/13 08:30	02/07/13 17:01	N/A	14.00	02/07/13 17:01	2.21	14.00	
GW0983	02/04/13 13:19	02/06/13 08:30	02/07/13 17:29	N/A	14.00	02/07/13 17:29	3.13	14.00	
GW0984	02/05/13 11:05	02/06/13 08:30	02/07/13 17:57	N/A	14.00	02/07/13 17:57	2.24	14.00	
GW8069-AB	02/05/13 14:38	02/06/13 08:30	02/07/13 12:50	N/A	14.00	02/07/13 12:50	1.88	14.00	
GW8256-TB	02/04/13 08:00	02/06/13 08:30	02/07/13 12:22	N/A	14.00	02/07/13 12:22	3.14	14.00	
GW0907	02/07/13 14:18	02/08/13 08:30	02/14/13 12:53	N/A	14.00	02/14/13 12:53	6.90	14.00	
GW0911	02/07/13 11:07	02/08/13 08:30	02/14/13 13:21	N/A	14.00	02/14/13 13:21	7.05	14.00	
GW0912	02/07/13 11:07	02/08/13 08:30	02/14/13 13:49	N/A	14.00	02/14/13 13:49	7.07	14.00	
GW0962	02/06/13 12:54	02/08/13 08:30	02/14/13 14:17	N/A	14.00	02/14/13 14:17	8.02	14.00	
GW0963	02/06/13 10:51	02/08/13 08:30	02/14/13 14:45	N/A	14.00	02/14/13 14:45	8.12	14.00	
GW0964	02/06/13 14:59	02/08/13 08:30	02/14/13 15:13	N/A	14.00	02/14/13 15:13	7.97	14.00	
GW0967	02/07/13 11:51	02/08/13 08:30	02/14/13 15:40	N/A	14.00	02/14/13 15:40	7.12	14.00	
GW0991	02/06/13 14:35	02/08/13 08:30	02/14/13 16:08	N/A	14.00	02/14/13 16:08	8.02	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_078

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GW0992	02/06/13 12:20	02/08/13 08:30	02/14/13 16:36	N/A	14.00	02/14/13 16:36	8.14	14.00	
GW0993	02/06/13 12:20	02/08/13 08:30	02/14/13 17:04	N/A	14.00	02/14/13 17:04	8.16	14.00	
GW0994	02/06/13 10:12	02/08/13 08:30	02/14/13 17:32	N/A	14.00	02/14/13 17:32	8.26	14.00	
GW8257-TB	02/06/13 08:00	02/08/13 08:30	02/11/13 09:53	N/A	14.00	02/11/13 09:53	5.04	14.00	

PREPARATION BENCH SHEET

3B07012

Empirical Laboratories, LLC

Printed: 2/25/2013 10:56:42AM

Instrument: VOA5

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 12F0423**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
1302007-02RE1	C	VOC_8260B_REG	02/07/2013	5	5				1	2	RR 1X lower
1302008-01RE1	B	VOC_8260B_REG	02/07/2013	5	5				1	2	RR 100x > TCE
1302023-01	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
1302023-03	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
1302023-05	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
1302023-07	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
1302023-09	B	VOC_8260B_REG	02/07/2013	5	5				1	2	MS/MSD.naphthalene must be reported
1302023-11	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
1302023-13	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported 50x
1302023-15	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported 10x
1302023-17	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported 5xF
1302023-19	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported 5xF
1302023-21	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
1302023-23	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported 5xF-NLDF
1302023-25	B	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
1302023-27	A	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
1302023-28	A	VOC_8260B_REG	02/07/2013	5	5				1	2	naphthalene must be reported
3B07012-BLK1		QC	02/07/2013	5	5				1	NA	
3B07012-BS1		QC	02/07/2013	5	5	13B0099		2.5	1	NA	
3B07012-MS1		QC	02/07/2013	5	5	13B0099	1302023-09	2.5	1	NA	
3B07012-MSD1		QC	02/07/2013	5	5	13B0099	1302023-09	2.5	1	NA	

PREPARATION BENCH SHEET

3B07012

Empirical Laboratories, LLC **Printed: 2/25/2013 10:56:42AM**

Instrument: VOA5

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 12F0423**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments

Reagents Used:

Standard	Description
12A0500	Anti-foam-GE_AF72

PREPARATION BENCH SHEET

3B08006

Empirical Laboratories, LLC **Printed: 2/25/2013 10:58:12AM**

Instrument: VOA5

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 12F0423**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
1301193-01	A	VOC_8260B_REG	02/08/2013	5	5				1	7	
1301193-02	A	VOC_8260B_REG	02/08/2013	5	5				1	7	
1302023-13RE1	B	VOC_8260B_REG	02/08/2013	5	5				1	2	RR 100x > toluene
1302027-01	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version
1302027-02	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version
1302027-03	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version
1302027-04	B	VOC_8260B_REG	02/08/2013	5	5				1	2	MS/MSD.
1302027-05	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version
1302028-01	A	VOC_8260B_REG	02/08/2013	5	5				1	2	select version
1302028-07	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version
1302029-01	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version 5xF-NLDF
1302031-01	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version 5xF-NLDF
1302032-01	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version 5xF-NLDF
1302033-01	B	VOC_8260B_REG	02/08/2013	5	5				1	2	select version
1302051-01	B	VOC_8260B_REG	02/08/2013	5	5				1	7	Strong odor 50x
1302051-01RE1	B	VOC_8260B_REG	02/08/2013	5	5				1	7	RR 500x > Acetone
1302051-02	B	VOC_8260B_REG	02/08/2013	5	5				1	7	Strong odor 50x
1302051-02RE1	B	VOC_8260B_REG	02/08/2013	5	5				1	7	RR 500x > Acetone
1302051-03	B	VOC_8260B_REG	02/08/2013	5	5				1	7	Strong odor 50x
1302051-03RE1	B	VOC_8260B_REG	02/08/2013	5	5				1	7	RR 500x > Acetone
3B08006-BLK1		QC	02/08/2013	5	5				1	NA	
3B08006-BS1		QC	02/08/2013	5	5	13B0099		2.5	1	NA	

PREPARATION BENCH SHEET

3B08006

Empirical Laboratories, LLC

Printed: 2/25/2013 10:58:12AM

Instrument: VOA5

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 12F0423**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
3B08006-MS1		QC	02/08/2013	5	5	13B0099	1302027-04	2.5	1	NA	
3B08006-MSD1		QC	02/08/2013	5	5	13B0099	1302027-04	2.5	1	NA	

Reagents Used:

Standard	Description
12A0500	Anti-foam-GE_AF72

PREPARATION BENCH SHEET

3B11006

Empirical Laboratories, LLC

Printed: 2/26/2013 4:40:31PM

Instrument: VOA5

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 12F0423**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
1301185-01	A	VOC_TCLP_8260B	02/11/2013	5	5				1	7	
1302027-05RE1	C	VOC_8260B_REG	02/11/2013	5	5				1	2	RR 1x carryover
1302028-02	B	VOC_8260B_REG	02/11/2013	5	5				1	2	select version 5x
1302028-03	B	VOC_8260B_REG	02/11/2013	5	5				1	2	select version 5x
1302028-04	B	VOC_8260B_REG	02/11/2013	5	5				1	2	select version 2x
1302028-05	B	VOC_8260B_REG	02/11/2013	5	5				1	2	select version 2x
1302028-06	B	VOC_8260B_REG	02/11/2013	5	5				1	2	select version 2.5x
1302034-01	B	VOC_8260B_REG	02/11/2013	5	5				1	2	select version 5xF-NLDF
1302035-01	B	VOC_TCLP_8260B	02/11/2013	5	5				1	7	
1302035-01	B	VOC_8260B_REG	02/11/2013	5	5				1		Added for BatchQC in: 3B11006
1302037-01	B	VOC_TCLP_8260B	02/11/2013	5	5				1	7	
1302038-01	B	VOC_TCLP_8260B	02/11/2013	5	5				1	7	
1302048-23	A	VOC_8260B_REG	02/11/2013	5	5				1	2	naphthalene must be reported
3B11006-BLK1		QC	02/11/2013	5	5				1	NA	
3B11006-BLK2		QC	02/11/2013	5	5				1	NA	
3B11006-BS1		QC	02/11/2013	5	5	13B0099		2.5	1	NA	
3B11006-DUP1		QC	02/11/2013	5	5		1302035-01		1	NA	
3B11006-MS1		QC	02/11/2013	5	5	13B0099	1302035-01	25	1	NA	
3B11006-MSD1		QC	02/11/2013	5	5	13B0099	1302035-01	25	1	NA	

Reagents Used:

Standard	Description
12A0500	Anti-foam-GE_AF72

PREPARATION BENCH SHEET

3B11006

Empirical Laboratories, LLC

Printed: 2/26/2013 4:40:31PM

Instrument: VOA5

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 12F0423**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments

PREPARATION BENCH SHEET

3B14017

Empirical Laboratories, LLC **Printed: 2/25/2013 10:59:29AM**

Instrument: VOA5

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 12F0423**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
1302028-02RE1	B	VOC_8260B_REG	02/14/2013	5	5				1	2	select version rr lower 1x
1302028-03RE1	B	VOC_8260B_REG	02/14/2013	5	5				1	2	select version rr lower 2x
1302028-04RE1	B	VOC_8260B_REG	02/14/2013	5	5				1	2	select version rr lower 1x
1302028-05RE1	B	VOC_8260B_REG	02/14/2013	5	5				1	2	select version rr lower 1x
1302028-06RE1	B	VOC_8260B_REG	02/14/2013	5	5				1	2	select version rr lower 1x
1302045-01	A	VOC_8260B_REG	02/14/2013	5	5				1	7	
1302045-02	A	VOC_8260B_REG	02/14/2013	5	5				1	7	
1302048-01	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-03	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-05	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-07	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported 5xF-NLDF
1302048-09	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-11	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-13	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-15	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-17	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-19	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302048-21	B	VOC_8260B_REG	02/14/2013	5	5				1	2	naphthalene must be reported
1302057-01	A	VOC_8260B_REG	02/14/2013	5	5				1	2	select version
1302057-02	B	VOC_8260B_REG	02/14/2013	5	5				1	2	select version
3B14017-BLK1		QC	02/14/2013	5	5				1	NA	
3B14017-BS1		QC	02/14/2013	5	5	13B0338		2.5	1	NA	

PREPARATION BENCH SHEET

3B14017

Empirical Laboratories, LLC **Printed: 2/25/2013 10:59:29AM**

Instrument: VOA5

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 12F0423**

Lab Number	Cont ID	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	PH	Extraction Comments
3B14017-BSD1		QC	02/14/2013	5	5	13B0338		2.5	1	NA	

Reagents Used:

Standard	Description
12A0500	Anti-foam-GE_AF72