

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011345.D
 Acq On : 18 Jul 2019 20:14
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:51:10 AM

Quant Time: Jul 19 07:57:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	314267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	277118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	131059	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	107664	45.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.04%		
35) Dibromofluoromethane	7.88	113	86368	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.22%		
50) Toluene-d8	10.32	98	349549	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.34%		
62) 4-Bromofluorobenzene	12.62	95	125399	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	62498	44.033	ug/l	96
3) Chloromethane	2.21	50	85539	46.770	ug/l	100
4) Vinyl Chloride	2.35	62	104172	43.517	ug/l	95
5) Bromomethane	2.76	94	53665	44.614	ug/l	98
6) Chloroethane	2.92	64	58591	45.442	ug/l	98
7) Trichlorofluoromethane	3.24	101	34456	40.517	ug/l	95
8) Diethyl Ether	3.67	74	56027	47.616	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	94797	46.539	ug/l	100
10) Methyl Iodide	4.26	142	132275	47.215	ug/l	99
11) Tert butyl alcohol	5.17	59	42228	238.513	ug/l	97
12) 1,1-Dichloroethene	4.04	96	99954	47.278	ug/l	94
13) Acrolein	3.89	56	26519	188.103	ug/l	100
14) Allyl chloride	4.66	41	185409	48.092	ug/l	98
15) Acrylonitrile	5.36	53	145658	243.064	ug/l	100
16) Acetone	4.12	43	145291	252.511	ug/l	98
17) Carbon Disulfide	4.38	76	287864	44.912	ug/l	100
18) Methyl Acetate	4.67	43	73336	44.669	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	153912	47.979	ug/l	99
20) Methylene Chloride	4.91	84	113892	50.176	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	105351	47.956	ug/l	97
22) Diisopropyl ether	6.31	45	410189	49.468	ug/l	98
23) Vinyl Acetate	6.25	43	1284813	250.369	ug/l	99
24) 1,1-Dichloroethane	6.21	63	211858	48.655	ug/l	99
25) 2-Butanone	7.17	43	225760	249.955	ug/l	97
26) 2,2-Dichloropropane	7.16	77	97389	43.028	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	116832	49.301	ug/l	98
28) Bromochloromethane	7.51	49	88496	44.698	ug/l	99
29) Tetrahydrofuran	7.52	42	142679	240.915	ug/l	100
30) Chloroform	7.67	83	195024	48.363	ug/l	97
31) Cyclohexane	7.95	56	207917	44.884	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	143082	46.645	ug/l	99
36) 1,1-Dichloropropene	8.08	75	158210	47.274	ug/l	99
37) Ethyl Acetate	7.24	43	97544	48.511	ug/l	100
38) Carbon Tetrachloride	8.07	117	133970	47.222	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011345.D
 Acq On : 18 Jul 2019 20:14
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/19/2019 9:51:10 AM

Quant Time: Jul 19 07:57:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	190771	47.031	ug/l	98
40) Benzene	8.32	78	449647	48.616	ug/l	99
41) Methacrylonitrile	7.48	41	61011	53.052	ug/l	90
42) 1,2-Dichloroethane	8.40	62	143305	47.764	ug/l	100
43) Isopropyl Acetate	8.42	43	182464	48.064	ug/l	99
44) Trichloroethene	9.09	130	106812	47.991	ug/l	97
45) 1,2-Dichloropropane	9.37	63	122716	48.997	ug/l	99
46) Dibromomethane	9.46	93	56600	48.108	ug/l	99
47) Bromodichloromethane	9.64	83	143799	47.769	ug/l	98
48) Methyl methacrylate	9.43	41	89277	48.882	ug/l	98
49) 1,4-Dioxane	9.45	88	18929	963.892	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	490514	247.350	ug/l	100
52) Toluene	10.38	92	273706	48.785	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	147706	46.096	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	176416	46.775	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	80416	48.180	ug/l	96
56) Ethyl methacrylate	10.65	69	124734	49.086	ug/l	98
57) 1,3-Dichloropropane	10.93	76	151367	47.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	242196	205.588	ug/l	99
59) 2-Hexanone	10.97	43	339624	246.952	ug/l	100
60) Dibromochloromethane	11.13	129	87183	47.634	ug/l	99
61) 1,2-Dibromoethane	11.23	107	75075	47.486	ug/l	99
64) Tetrachloroethene	10.86	164	92200	49.306	ug/l	96
65) Chlorobenzene	11.66	112	269035	47.751	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	96619	48.705	ug/l	99
67) Ethyl Benzene	11.73	91	526144	48.782	ug/l	99
68) m/p-Xylenes	11.84	106	382246	97.943	ug/l	100
69) o-Xylene	12.16	106	176608	48.012	ug/l	98
70) Styrene	12.18	104	310881	48.971	ug/l	100
71) Bromoform	12.35	173	48989	46.446	ug/l #	99
73) Isopropylbenzene	12.46	105	492195	50.239	ug/l	100
74) N-amyl acetate	12.27	43	170470	49.960	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	98196	48.896	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	69499m	45.887	ug/l	
77) Bromobenzene	12.75	156	109416	49.765	ug/l	98
78) n-propylbenzene	12.80	91	599728	49.693	ug/l	100
79) 2-Chlorotoluene	12.89	91	344829	49.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	414513	49.802	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28445	42.479	ug/l	95
82) 4-Chlorotoluene	12.99	91	351766	48.630	ug/l	99
83) tert-Butylbenzene	13.21	119	344867	49.682	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	415693	49.739	ug/l	99
85) sec-Butylbenzene	13.38	105	491335	49.054	ug/l	100
86) p-Isopropyltoluene	13.50	119	441830	49.181	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	207501	49.052	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	204841	48.088	ug/l	99
89) n-Butylbenzene	13.82	91	433635	48.386	ug/l	99
90) Hexachloroethane	14.10	117	77994	47.510	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	187340	48.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16838	47.268	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
Data File : VW011345.D
Acq On : 18 Jul 2019 20:14
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
7/19/2019 9:51:10 AM

Quant Time: Jul 19 07:57:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	124794	47.211	ug/l	97
94) Hexachlorobutadiene	15.24	225	74701	46.031	ug/l	99
95) Naphthalene	15.37	128	242116	47.799	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	108153	46.361	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

