

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009079.D
 Acq On : 11 Mar 2019 11:56
 Operator : SY/VA
 Sample : VW0311SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:15:42 PM

Quant Time: Mar 12 08:33:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216223	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138937	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	7.88	113	125480	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.32	98	514706	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.62	95	191433	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	63720	22.204	ug/l	96
3) Chloromethane	2.21	50	75546	20.722	ug/l	99
4) Vinyl Chloride	2.35	62	73978	19.995	ug/l	96
5) Bromomethane	2.76	94	71936	23.034	ug/l	99
6) Chloroethane	2.91	64	51413	19.520	ug/l	98
7) Trichlorofluoromethane	3.26	101	98539	20.686	ug/l	95
8) Diethyl Ether	3.68	74	25690	17.637	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59758	20.142	ug/l	97
10) Methyl Iodide	4.27	142	44001	15.988	ug/l	98
11) Tert butyl alcohol	5.18	59	18633	84.872	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	50844	19.867	ug/l	97
13) Acrolein	3.90	56	18292	75.717	ug/l	95
14) Allyl chloride	4.67	41	85753	18.996	ug/l	98
15) Acrylonitrile	5.37	53	52905	83.221	ug/l	99
16) Acetone	4.14	43	55036	85.129	ug/l	96
17) Carbon Disulfide	4.38	76	170951	19.853	ug/l	100
18) Methyl Acetate	4.68	43	22488	15.127	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	116915	17.270	ug/l	96
20) Methylene Chloride	4.91	84	67136	18.676	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	56990	19.286	ug/l	97
22) Diisopropyl ether	6.31	45	167248	18.643	ug/l	96
23) Vinyl Acetate	6.26	43	484669	86.817	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103763	19.941	ug/l	97
25) 2-Butanone	7.18	43	71983	80.565	ug/l	95
26) 2,2-Dichloropropane	7.17	77	98026	20.725	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	59913	18.878	ug/l	96
28) Bromochloromethane	7.51	49	41585	19.213	ug/l	98
29) Tetrahydrofuran	7.53	42	44810	79.585	ug/l	97
30) Chloroform	7.68	83	104339	19.476	ug/l	92
31) Cyclohexane	7.96	56	104888	19.631	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	99753	20.177	ug/l	100
36) 1,1-Dichloropropene	8.08	75	85290	20.072	ug/l	99
37) Ethyl Acetate	7.26	43	31294	15.679	ug/l	96
38) Carbon Tetrachloride	8.07	117	92870	21.163	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009079.D
 Acq On : 11 Mar 2019 11:56
 Operator : SY/VA
 Sample : VW0311SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:15:42 PM

Quant Time: Mar 12 08:33:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97644	19.293	ug/l	95
40) Benzene	8.32	78	224666	19.807	ug/l	99
41) Methacrylonitrile	7.49	41	17590	15.871	ug/l	97
42) 1,2-Dichloroethane	8.40	62	68791	18.785	ug/l	99
43) Isopropyl Acetate	8.42	43	59491	16.004	ug/l	95
44) Trichloroethene	9.09	130	63387	19.938	ug/l	96
45) 1,2-Dichloropropane	9.37	63	54792	19.287	ug/l	99
46) Dibromomethane	9.46	93	27898	17.981	ug/l	97
47) Bromodichloromethane	9.64	83	75755	19.288	ug/l	98
48) Methyl methacrylate	9.43	41	26366	15.233	ug/l	87
49) 1,4-Dioxane	9.46	88	7703	346.708	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	146306	77.528	ug/l	98
52) Toluene	10.38	92	149893	19.485	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	70524	18.156	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	85563	19.168	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39267	18.673	ug/l	92
56) Ethyl methacrylate	10.65	69	39794	15.247	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66078	17.738	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	117504	86.848	ug/l	98
59) 2-Hexanone	10.97	43	105532	79.538	ug/l	99
60) Dibromochloromethane	11.13	129	49923	19.183	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36003	17.464	ug/l	98
64) Tetrachloroethene	10.86	164	55284	19.896	ug/l	96
65) Chlorobenzene	11.66	112	161133	19.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	54470	19.452	ug/l	98
67) Ethyl Benzene	11.73	91	292113	19.281	ug/l	99
68) m/p-Xylenes	11.84	106	236771	39.593	ug/l	98
69) o-Xylene	12.16	106	107341	19.291	ug/l	96
70) Styrene	12.18	104	170436	18.932	ug/l	99
71) Bromoform	12.35	173	27248	18.122	ug/l #	99
73) Isopropylbenzene	12.46	105	294581	19.025	ug/l	99
74) N-amyl acetate	12.27	43	56512	15.417	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	41925	17.165	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	35854m	20.988	ug/l	
77) Bromobenzene	12.75	156	67466	19.069	ug/l	94
78) n-propylbenzene	12.80	91	371431	19.475	ug/l	100
79) 2-Chlorotoluene	12.90	91	207818	19.394	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	258618	19.377	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12168	15.932	ug/l	93
82) 4-Chlorotoluene	12.99	91	219725	19.236	ug/l	99
83) tert-Butylbenzene	13.21	119	217692	19.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	259592	19.227	ug/l	100
85) sec-Butylbenzene	13.38	105	321847	19.298	ug/l	99
86) p-Isopropyltoluene	13.50	119	283922	19.030	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	143764	19.336	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	139860	19.034	ug/l	97
89) n-Butylbenzene	13.83	91	274356	19.343	ug/l	98
90) Hexachloroethane	14.10	117	50819	19.749	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	123980	18.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7071	16.255	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031119\
Data File : VW009079.D
Acq On : 11 Mar 2019 11:56
Operator : SY/VA
Sample : VW0311SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:15:42 PM

Quant Time: Mar 12 08:33:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	81104	18.307	ug/l	99
94) Hexachlorobutadiene	15.24	225	57034	20.553	ug/l	99
95) Naphthalene	15.37	128	114382	15.772	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70595	18.122	ug/l	97

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

