

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007882.D
 Acq On : 24 Dec 2018 12:24
 Operator : SY/AP
 Sample : VW1225SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:38:14 PM

Quant Time: Dec 25 02:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	119936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	41307	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.88	113	37907	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
50) Toluene-d8	10.32	98	149379	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.62	95	57257	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13756	21.086	ug/l	99
3) Chloromethane	2.21	50	12423	31.011	ug/l	98
4) Vinyl Chloride	2.37	62	15965	31.307	ug/l	98
5) Bromomethane	2.78	94	9512	26.781	ug/l	94
6) Chloroethane	2.92	64	8119	29.760	ug/l	92
7) Trichlorofluoromethane	3.25	101	11164	21.028	ug/l	93
8) Diethyl Ether	3.68	74	7839	24.106	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18051	23.086	ug/l	99
10) Methyl Iodide	4.26	142	27931	22.463	ug/l	97
11) Tert butyl alcohol	5.17	59	6379	117.567	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	17581	24.282	ug/l	96
13) Acrolein	3.89	56	4704	108.430	ug/l	98
14) Allyl chloride	4.66	41	26237	27.633	ug/l	92
15) Acrylonitrile	5.37	53	15587	112.369	ug/l	98
16) Acetone	4.12	43	17120	113.664	ug/l	94
17) Carbon Disulfide	4.37	76	50224	22.416	ug/l	99
18) Methyl Acetate	4.67	43	8096	22.602	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	25653	24.680	ug/l #	91
20) Methylene Chloride	4.91	84	25535	31.577	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	18636	23.403	ug/l	90
22) Diisopropyl ether	6.31	45	46765	26.304	ug/l	96
23) Vinyl Acetate	6.25	43	128961	122.091	ug/l	96
24) 1,1-Dichloroethane	6.21	63	32451	24.812	ug/l	99
25) 2-Butanone	7.17	43	20272	114.908	ug/l	94
26) 2,2-Dichloropropane	7.17	77	23975	25.051	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	20234	23.850	ug/l	98
28) Bromochloromethane	7.51	49	10279	23.051	ug/l	88
29) Tetrahydrofuran	7.52	42	12361	117.465	ug/l	96
30) Chloroform	7.67	83	33745	22.799	ug/l	98
31) Cyclohexane	7.95	56	31915	26.655	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	31166	23.120	ug/l	98
36) 1,1-Dichloropropene	8.08	75	27606	23.848	ug/l	99
37) Ethyl Acetate	7.25	43	9019	22.576	ug/l	99
38) Carbon Tetrachloride	8.07	117	28432	20.855	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007882.D
 Acq On : 24 Dec 2018 12:24
 Operator : SY/AP
 Sample : VW1225SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:38:14 PM

Quant Time: Dec 25 02:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35712	24.827	ug/l	98
40) Benzene	8.32	78	73481	23.788	ug/l	99
41) Methacrylonitrile	7.48	41	5453	24.041	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	22158	21.405	ug/l	99
43) Isopropyl Acetate	8.43	43	17903	22.368	ug/l	99
44) Trichloroethene	9.09	130	20932	22.407	ug/l	99
45) 1,2-Dichloropropane	9.37	63	17020	24.831	ug/l	99
46) Dibromomethane	9.46	93	8901	21.096	ug/l	94
47) Bromodichloromethane	9.64	83	23230	20.943	ug/l	98
48) Methyl methacrylate	9.44	41	9675m	24.217	ug/l	
49) 1,4-Dioxane	9.45	88	2734	408.700	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	41129	108.732	ug/l	99
52) Toluene	10.39	92	48857	23.574	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	24154	21.892	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	27586	22.636	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	12491	21.474	ug/l	97
56) Ethyl methacrylate	10.65	69	15157	22.055	ug/l	95
57) 1,3-Dichloropropane	10.93	76	21428	22.185	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	34751	110.751	ug/l	97
59) 2-Hexanone	10.97	43	29614	111.323	ug/l	99
60) Dibromochloromethane	11.13	129	14539	18.878	ug/l	96
61) 1,2-Dibromoethane	11.24	107	12177	20.673	ug/l	98
64) Tetrachloroethene	10.86	164	17195	23.219	ug/l	96
65) Chlorobenzene	11.66	112	52827	23.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	18084	22.359	ug/l	99
67) Ethyl Benzene	11.73	91	95947	24.702	ug/l	100
68) m/p-Xylenes	11.84	106	73770	48.960	ug/l	98
69) o-Xylene	12.17	106	34714	24.578	ug/l	99
70) Styrene	12.18	104	56318	24.258	ug/l	98
71) Bromoform	12.35	173	7555	17.994	ug/l #	97
73) Isopropylbenzene	12.47	105	99691	25.302	ug/l	99
74) N-amyl acetate	12.27	43	16587	24.305	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	12883	21.808	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	10340m	25.666	ug/l	
77) Bromobenzene	12.75	156	20618	22.834	ug/l	95
78) n-propylbenzene	12.81	91	115826	25.254	ug/l	98
79) 2-Chlorotoluene	12.90	91	66867	25.027	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	84747	24.936	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4129	21.513	ug/l	100
82) 4-Chlorotoluene	12.99	91	69525	24.439	ug/l	99
83) tert-Butylbenzene	13.21	119	74871	25.108	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	84696	24.698	ug/l	99
85) sec-Butylbenzene	13.39	105	104157	25.344	ug/l	99
86) p-Isopropyltoluene	13.51	119	93343	24.978	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	41889	23.365	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	41920	23.376	ug/l	99
89) n-Butylbenzene	13.83	91	88145	25.726	ug/l	99
90) Hexachloroethane	14.10	117	14053	21.420	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	37305	23.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2338	19.272	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
Data File : VW007882.D
Acq On : 24 Dec 2018 12:24
Operator : SY/AP
Sample : VW1225SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Manual Integrations
APPROVED

MMDadoda
12/26/2018 4:38:14 PM

Quant Time: Dec 25 02:10:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25545	22.926	ug/l	99
94) Hexachlorobutadiene	15.24	225	14635	24.578	ug/l	99
95) Naphthalene	15.38	128	45741	22.204	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	21724	22.777	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007882.D
 Acq On : 24 Dec 2018 12:24
 Operator : SY/AP
 Sample : VW1225SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:38:14 PM

Quant Time: Dec 25 02:10:49 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

