

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120718\
 Data File : VD060511.D
 Acq On : 7 Dec 2018 11:57
 Operator : VA/AP
 Sample : VD1207SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1207SBS01

Manual Integrations
 APPROVED

apatel
 12/10/2018 4:46:32 PM

Quant Time: Dec 08 02:16:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1669574	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	2297542	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1860949	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	910267	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	596330	50.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	6.32	113	872406	51.70	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	9.44	98	2534678	51.90	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.42	95	892208	51.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	451505	25.153	ug/l	99
3) Chloromethane	1.77	50	400303	23.336	ug/l	98
4) Vinyl Chloride	1.87	62	323830	23.654	ug/l	98
5) Bromomethane	2.16	94	59437	17.354	ug/l	95
6) Chloroethane	2.26	64	81151	17.119	ug/l	95
7) Trichlorofluoromethane	2.52	101	333641	21.106	ug/l	98
8) Diethyl Ether	2.83	74	55382	20.283	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.10	101	228037	22.233	ug/l	98
10) Methyl Iodide	3.25	142	251398	20.969	ug/l	99
11) Tert butyl alcohol	3.98	59	39878	82.945	ug/l #	94
12) 1,1-Dichloroethene	3.08	96	182491	21.868	ug/l	91
13) Acrolein	2.99	56	51994	98.973	ug/l	96
14) Allyl chloride	3.53	41	353062	22.299	ug/l	99
15) Acrylonitrile	4.08	53	286634	104.999	ug/l	96
16) Acetone	3.16	43	175850	92.705	ug/l	97
17) Carbon Disulfide	3.32	76	597412	22.039	ug/l	99
18) Methyl Acetate	3.56	43	83475	18.516	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	479635	20.726	ug/l	99
20) Methylene Chloride	3.72	84	370187	18.430	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	391410	21.562	ug/l	95
22) Diisopropyl ether	4.85	45	1207663	21.244	ug/l	99
23) Vinyl Acetate	4.80	43	2972722	105.546	ug/l	99
24) 1,1-Dichloroethane	4.75	63	629395	21.312	ug/l	99
25) 2-Butanone	5.61	43	373350	100.042	ug/l	96
26) 2,2-Dichloropropane	5.58	77	508098	22.271	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	390276	21.145	ug/l	95
28) Bromochloromethane	5.91	49	256540	19.609	ug/l	96
29) Tetrahydrofuran	5.94	42	209150	98.968	ug/l	99
30) Chloroform	6.09	83	621272	20.881	ug/l	99
31) Cyclohexane	6.36	56	605873	21.833	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	530073	21.672	ug/l	98
36) 1,1-Dichloropropene	6.51	75	497407	22.148	ug/l	98
37) Ethyl Acetate	5.69	43	202667	20.808	ug/l #	98
38) Carbon Tetrachloride	6.48	117	451462	22.392	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	563190	21.998	ug/l	99
40) Benzene	6.78	78	1238286	21.574	ug/l	100
41) Methacrylonitrile	5.92	41	107993m	20.569	ug/l	
42) 1,2-Dichloroethane	6.88	62	311910	21.374	ug/l	100
43) Isopropyl Acetate	8.33	43	244588	20.343	ug/l #	97
44) Trichloroethene	7.72	130	368923	21.508	ug/l	98
45) 1,2-Dichloropropane	8.09	63	308834	21.756	ug/l	94
46) Dibromomethane	8.21	93	173360	21.137	ug/l	97
47) Bromodichloromethane	8.47	83	415400	21.346	ug/l	100
48) Methyl methacrylate	8.24	41	148882	20.928	ug/l	97
49) 1,4-Dioxane	8.22	88	28764	446.122	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	755985	101.084	ug/l	97
52) Toluene	9.54	92	776563	21.647	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	344368	21.536	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	451724	21.501	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	204048	20.425	ug/l	99
56) Ethyl methacrylate	10.02	69	188734	20.875	ug/l	98
57) 1,3-Dichloropropane	10.37	76	311883	20.195	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	571408	105.624	ug/l	96
59) 2-Hexanone	10.47	43	533689	102.092	ug/l	95
60) Dibromochloromethane	10.63	129	260863	20.885	ug/l	98
61) 1,2-Dibromoethane	10.75	107	208136	20.444	ug/l	97
64) Tetrachloroethene	10.24	164	337193	20.463	ug/l	99
65) Chlorobenzene	11.31	112	838450	21.297	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	273285	21.537	ug/l	97
67) Ethyl Benzene	11.41	91	1490502	22.196	ug/l	98
68) m/p-Xylenes	11.55	106	1082849	43.587	ug/l	96
69) o-Xylene	11.93	106	495901	20.945	ug/l	97
70) Styrene	11.95	104	789279	20.769	ug/l	98
71) Bromoform	12.10	173	165594	19.560	ug/l	96
73) Isopropylbenzene	12.27	105	1455158	22.591	ug/l	98
74) N-amyl acetate	12.12	43	315706	20.280	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	212778	20.634	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	212558	20.609	ug/l	99
77) Bromobenzene	12.53	156	358358	21.165	ug/l	91
78) n-propylbenzene	12.63	91	1792227	22.011	ug/l	96
79) 2-Chlorotoluene	12.69	91	965916	21.861	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	1087654	22.098	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	57900	20.128	ug/l	94
82) 4-Chlorotoluene	12.80	91	1082387	21.811	ug/l	97
83) tert-Butylbenzene	13.04	119	1232469	22.333	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	1126623	22.106	ug/l	98
85) sec-Butylbenzene	13.22	105	1511090	21.969	ug/l	95
86) p-Isopropyltoluene	13.33	119	1194415	21.906	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	654886	21.362	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	649794	21.606	ug/l	97
89) n-Butylbenzene	13.64	91	1302221	21.578	ug/l	98
90) Hexachloroethane	13.85	117	297048	21.728	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	554446	22.131	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	25273	20.226	ug/l	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	422602	21.578	ug/l	96
94) Hexachlorobutadiene	14.87	225	314099	21.738	ug/l	97
95) Naphthalene	14.96	128	483145	20.737	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	324873	20.818	ug/l	97

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

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