

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067718.D
 Acq On : 20 Nov 2020 12:14
 Operator : VA/SY
 Sample : VD1120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 1:41:28 PM

Quant Time: Nov 21 00:53:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	262999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	379056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	345294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	175216	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	106830	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	7.91	113	107342	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
50) Toluene-d8	10.34	98	366058	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	12.64	95	137761	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	53550	22.668	ug/l	98
3) Chloromethane	2.21	50	30279	18.488	ug/l	98
4) Vinyl Chloride	2.35	62	34899	19.113	ug/l	97
5) Bromomethane	2.76	94	29724	20.084	ug/l	93
6) Chloroethane	2.92	64	23263	20.665	ug/l	96
7) Trichlorofluoromethane	3.27	101	105295	22.271	ug/l	95
8) Diethyl Ether	3.71	74	19991	20.985	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	52324	21.925	ug/l	99
10) Methyl Iodide	4.30	142	47319	18.500	ug/l	97
11) Tert butyl alcohol	5.21	59	22745m	227.714	ug/l	
12) 1,1-Dichloroethene	4.07	96	44785	20.402	ug/l	87
13) Acrolein	3.93	56	3785	61.230	ug/l	89
14) Allyl chloride	4.71	41	46155	19.646	ug/l	97
15) Acrylonitrile	5.41	53	36550	103.791	ug/l	98
16) Acetone	4.16	43	35857	104.197	ug/l	93
17) Carbon Disulfide	4.41	76	126083	18.744	ug/l	99
18) Methyl Acetate	4.71	43	15462	21.743	ug/l #	81
19) Methyl tert-butyl Ether	5.48	73	95588	22.076	ug/l	97
20) Methylene Chloride	4.96	84	59994	24.680	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	54358	21.261	ug/l	95
22) Diisopropyl ether	6.36	45	95005	20.752	ug/l	97
23) Vinyl Acetate	6.30	43	247766	103.388	ug/l	99
24) 1,1-Dichloroethane	6.27	63	76675	20.472	ug/l	95
25) 2-Butanone	7.21	43	39922	108.569	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	92691	23.449	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	56008	21.105	ug/l	97
28) Bromochloromethane	7.54	49	25036	18.792	ug/l	88
29) Tetrahydrofuran	7.57	42	21899	99.424	ug/l	94
30) Chloroform	7.71	83	100658	22.527	ug/l	99
31) Cyclohexane	7.99	56	62191	18.646	ug/l #	74
32) 1,1,1-Trichloroethane	7.91	97	103942	22.546	ug/l	99
36) 1,1-Dichloropropene	8.11	75	72111	22.225	ug/l	97
37) Ethyl Acetate	7.29	43	17904	21.254	ug/l	98
38) Carbon Tetrachloride	8.10	117	95642	22.687	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	79850	20.909	ug/l	93
40) Benzene	8.35	78	191598	21.800	ug/l	92
41) Methacrylonitrile	7.53	41	12075	23.981	ug/l	94
42) 1,2-Dichloroethane	8.43	62	62985	23.194	ug/l	98
43) Isopropyl Acetate	8.45	43	35780	21.477	ug/l	99
44) Trichloroethene	9.12	130	63335	21.916	ug/l	85
45) 1,2-Dichloropropane	9.39	63	41149	21.655	ug/l	93
46) Dibromomethane	9.47	93	27198	22.511	ug/l	99
47) Bromodichloromethane	9.67	83	75334	22.940	ug/l	98
48) Methyl methacrylate	9.46	41	17618	20.482	ug/l	89
49) 1,4-Dioxane	9.46	88	5690	463.900	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	88863	111.532	ug/l	99
52) Toluene	10.41	92	134113	22.782	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	64108	22.793	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	73734	22.065	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	37052	23.177	ug/l	95
56) Ethyl methacrylate	10.66	69	35930	21.765	ug/l	98
57) 1,3-Dichloropropane	10.95	76	56872	22.108	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	84195	109.366	ug/l	96
59) 2-Hexanone	10.98	43	61809	110.950	ug/l	97
60) Dibromochloromethane	11.14	129	54031	22.848	ug/l	99
61) 1,2-Dibromoethane	11.25	107	35980	22.425	ug/l	97
64) Tetrachloroethene	10.88	164	57175	22.358	ug/l	97
65) Chlorobenzene	11.67	112	148605	22.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	59599	22.735	ug/l	98
67) Ethyl Benzene	11.75	91	257311	22.607	ug/l	96
68) m/p-Xylenes	11.86	106	198511	44.831	ug/l	98
69) o-Xylene	12.18	106	91087	23.040	ug/l	96
70) Styrene	12.20	104	157756	22.900	ug/l	99
71) Bromoform	12.36	173	32090	24.002	ug/l #	95
73) Isopropylbenzene	12.48	105	257302	22.722	ug/l	99
74) N-amyl acetate	12.29	43	32248	21.642	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	33873	21.936	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	20310m	19.215	ug/l	
77) Bromobenzene	12.77	156	62702	22.546	ug/l	97
78) n-propylbenzene	12.83	91	289383	22.342	ug/l	98
79) 2-Chlorotoluene	12.91	91	166886	22.682	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	221696	22.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	11409	21.914	ug/l	98
82) 4-Chlorotoluene	13.01	91	182163	23.084	ug/l	99
83) tert-Butylbenzene	13.23	119	191509	23.360	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	224935	23.360	ug/l	98
85) sec-Butylbenzene	13.41	105	255022	23.043	ug/l	100
86) p-Isopropyltoluene	13.52	119	253769	23.745	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	124525	23.466	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	121272	22.570	ug/l	98
89) n-Butylbenzene	13.84	91	209547	22.699	ug/l	100
90) Hexachloroethane	14.11	117	46072	22.892	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	108263	23.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6309	23.076	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72037	23.110	ug/l	100
94) Hexachlorobutadiene	15.27	225	47852	22.938	ug/l	97
95) Naphthalene	15.40	128	112851	23.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	61144	22.906	ug/l	96

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

