

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069227.D
 Acq On : 20 May 2021 19:15
 Operator : VA/SY
 Sample : M2472-12MS
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW8-GW-938-940MS

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:48:11 PM

Quant Time: May 21 00:56:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	14802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	29127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	29600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	11112	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	16932	114.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 228.20%#			
35) Dibromofluoromethane	7.914	113	14175	74.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 149.56%#			
50) Toluene-d8	10.338	98	37530	53.89	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.78%			
62) 4-Bromofluorobenzene	12.626	95	11256	50.23	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	7863	49.96	ug/l	100
3) Chloromethane	2.203	50	14206	78.54	ug/l	96
4) Vinyl Chloride	2.344	62	14550	61.03	ug/l	100
5) Bromomethane	2.773	94	17222	96.03	ug/l #	79
6) Chloroethane	2.920	64	11987	78.16	ug/l	98
7) Trichlorofluoromethane	3.267	101	14791	50.85	ug/l	96
8) Diethyl Ether	3.709	74	7925	119.35	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.085	101	8209	49.80	ug/l	96
10) Methyl Iodide	4.291	142	7000	40.98	ug/l #	88
11) Tert butyl alcohol	5.226	59	15984	2403.30	ug/l	99
12) 1,1-Dichloroethene	4.061	96	8660	58.48	ug/l	86
13) Acrolein	3.926	56	14002	1159.74	ug/l	100
14) Allyl chloride	4.714	41	11723	72.16	ug/l	95
15) Acrylonitrile	5.420	53	41848	1688.68	ug/l	97
16) Acetone	4.156	43	41602	1830.52	ug/l	91
17) Carbon Disulfide	4.397	76	26460	53.90	ug/l #	92
18) Methyl Acetate	4.714	43	17899	324.15	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	34162	127.12	ug/l	98
20) Methylene Chloride	4.956	84	23440	143.80	ug/l #	82
21) trans-1,2-Dichloroethene	5.473	96	11389	64.86	ug/l	92
22) Diisopropyl ether	6.361	45	30646	94.45	ug/l	95
23) Vinyl Acetate	6.303	43	131769	688.17	ug/l	98
24) 1,1-Dichloroethane	6.267	63	22864	81.57	ug/l	98
25) 2-Butanone	7.208	43	53406	1734.16	ug/l	93
26) 2,2-Dichloropropane	7.202	77	17211	65.66	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	14913	78.22	ug/l	98
28) Bromochloromethane	7.555	49	12333	123.43	ug/l	90
29) Tetrahydrofuran	7.567	42	28372	1694.78	ug/l	99
30) Chloroform	7.702	83	28517	90.37	ug/l	88
31) Cyclohexane	7.985	56	8417	38.27	ug/l	85
32) 1,1,1-Trichloroethane	7.902	97	18736	65.44	ug/l #	76
36) 1,1-Dichloropropene	8.108	75	11107	39.22	ug/l #	84
37) Ethyl Acetate	7.297	43	20590	226.31	ug/l #	92
38) Carbon Tetrachloride	8.097	117	13355	42.19	ug/l	86
39) Methylcyclohexane	9.355	83	6427	21.52	ug/l	97
40) Benzene	8.350	78	49653	61.21	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	8361	172.65	ug/l #	67
42) 1,2-Dichloroethane	8.426	62	24373	110.04	ug/l	96
43) Isopropyl Acetate	8.455	43	28715	173.80	ug/l	95
44) Trichloroethene	9.120	130	12052	53.16	ug/l	99
45) 1,2-Dichloropropane	9.385	63	14823	77.42	ug/l #	80
46) Dibromomethane	9.473	93	14148	123.62	ug/l	93
47) Bromodichloromethane	9.661	83	22591	77.57	ug/l	93
48) Methyl methacrylate	9.455	41	10943	143.23	ug/l	92
49) 1,4-Dioxane	9.455	88	6503	5901.59	ug/l #	86
51) 4-Methyl-2-Pentanone	10.226	43	91041	1071.02	ug/l	96
52) Toluene	10.402	92	27202	51.96	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	20463	79.96	ug/l	93
54) cis-1,3-Dichloropropene	10.091	75	20379	66.62	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	18550	120.25	ug/l	94
56) Ethyl methacrylate	10.661	69	16977	99.54	ug/l	97
57) 1,3-Dichloropropane	10.943	76	25369	101.76	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.944	63	1147	15.02	ug/l #	63
59) 2-Hexanone	10.985	43	67655	1192.72	ug/l	91
60) Dibromochloromethane	11.138	129	18389	92.82	ug/l	99
61) 1,2-Dibromoethane	11.243	107	18922	124.11	ug/l	99
64) Tetrachloroethene	10.867	164	7672	37.29	ug/l #	82
65) Chlorobenzene	11.667	112	30700	50.04	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	15741	68.04	ug/l	96
67) Ethyl Benzene	11.738	91	38712	36.67	ug/l	97
68) m/p-Xylenes	11.843	106	27483	66.43	ug/l	95
69) o-Xylene	12.179	106	13919	37.83	ug/l	99
70) Styrene	12.185	104	15782	24.57	ug/l	96
71) Bromoform	12.361	173	13660	113.52	ug/l #	100
73) Isopropylbenzene	12.479	105	32886	42.34	ug/l	94
74) N-amyl acetate	12.285	43	16322	128.50	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.726	83	27063	192.29	ug/l	95
76) 1,2,3-Trichloropropane	12.779	75	21382m	255.98	ug/l	
77) Bromobenzene	12.755	156	11422	61.98	ug/l	70
78) n-propylbenzene	12.814	91	33243	35.47	ug/l	95
79) 2-Chlorotoluene	12.902	91	22009	42.21	ug/l	93
80) 1,3,5-Trimethylbenzene	12.955	105	22698	35.45	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	6944	167.92	ug/l	92
82) 4-Chlorotoluene	12.996	91	23560	42.42	ug/l	95
83) tert-Butylbenzene	13.220	119	18999	35.60	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	25133	39.01	ug/l	96
85) sec-Butylbenzene	13.396	105	25029	31.19	ug/l	96
86) p-Isopropyltoluene	13.508	119	19860	28.17	ug/l	96
87) 1,3-Dichlorobenzene	13.508	146	16057	43.05	ug/l	96
88) 1,4-Dichlorobenzene	13.590	146	16857	45.63	ug/l	94
89) n-Butylbenzene	13.837	91	17328	26.38	ug/l	99
90) Hexachloroethane	14.108	117	5786	43.79	ug/l	90
91) 1,2-Dichlorobenzene	13.879	146	14880	46.45	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	4121	188.65	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	4081	20.79	ug/l	83
94) Hexachlorobutadiene	15.261	225	3164	26.86	ug/l	92
95) Naphthalene	15.390	128	13746	38.30	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.584	180	4224	25.15	ug/l	94

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

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