

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050421\
 Data File : VD069062.D
 Acq On : 04 May 2021 15:53
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD050421

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:32:09 PM

Quant Time: May 05 04:23:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	242295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	411951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	394364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	195359	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	157492	50.44	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.88%			
35) Dibromofluoromethane	7.914	113	144483	51.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.28%			
50) Toluene-d8	10.338	98	557487	53.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.90%			
62) 4-Bromofluorobenzene	12.626	95	184278	53.72	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.44%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	144192	48.93	ug/l	98
3) Chloromethane	2.209	50	170661	47.06	ug/l	93
4) Vinyl Chloride	2.338	62	240024	50.05	ug/l	99
5) Bromomethane	2.750	94	136984	48.01	ug/l	97
6) Chloroethane	2.908	64	146318	52.47	ug/l	100
7) Trichlorofluoromethane	3.261	101	252678	47.98	ug/l	93
8) Diethyl Ether	3.708	74	63718	49.81	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	138309	49.05	ug/l	98
10) Methyl Iodide	4.291	142	117639	46.50	ug/l	96
11) Tert butyl alcohol	5.232	59	52566	272.37	ug/l #	93
12) 1,1-Dichloroethene	4.061	96	128660	50.67	ug/l	95
13) Acrolein	3.926	56	41658	222.62	ug/l	95
14) Allyl chloride	4.702	41	168796	51.59	ug/l	99
15) Acrylonitrile	5.420	53	134853	242.49	ug/l	99
16) Acetone	4.161	43	110324	251.77	ug/l	100
17) Carbon Disulfide	4.403	76	413799	48.21	ug/l	98
18) Methyl Acetate	4.720	43	60982	50.14	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	306303	52.78	ug/l	98
20) Methylene Chloride	4.961	84	171749	57.08	ug/l	99
21) trans-1,2-Dichloroethene	5.461	96	149381	49.52	ug/l	93
22) Diisopropyl ether	6.361	45	385437	52.78	ug/l	97
23) Vinyl Acetate	6.302	43	1136056	272.09	ug/l	99
24) 1,1-Dichloroethane	6.261	63	253285	49.11	ug/l	99
25) 2-Butanone	7.214	43	173432	259.79	ug/l	94
26) 2,2-Dichloropropane	7.208	77	238747	49.55	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	162145	49.80	ug/l	97
28) Bromochloromethane	7.544	49	103398	49.65	ug/l	99
29) Tetrahydrofuran	7.561	42	109752	267.26	ug/l	98
30) Chloroform	7.708	83	277266	48.06	ug/l	99
31) Cyclohexane	7.979	56	224045	49.47	ug/l	96
32) 1,1,1-Trichloroethane	7.896	97	260456	49.44	ug/l	99
36) 1,1-Dichloropropene	8.108	75	216309	49.90	ug/l	98
37) Ethyl Acetate	7.296	43	82286	50.36	ug/l	99
38) Carbon Tetrachloride	8.091	117	231340	49.21	ug/l	98
39) Methylcyclohexane	9.349	83	256583	54.14	ug/l	98
40) Benzene	8.349	78	590061	49.20	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	44936m	47.43	ug/l	
42) 1,2-Dichloroethane	8.426	62	177461	47.34	ug/l	98
43) Isopropyl Acetate	8.449	43	157776	51.50	ug/l	98
44) Trichloroethene	9.114	130	154548	48.47	ug/l	98
45) 1,2-Dichloropropane	9.385	63	142318	48.20	ug/l	100
46) Dibromomethane	9.473	93	82459	48.59	ug/l	98
47) Bromodichloromethane	9.661	83	218567	48.98	ug/l	99
48) Methyl methacrylate	9.455	41	80472	53.28	ug/l	98
49) 1,4-Dioxane	9.461	88	20379	1038.47	ug/l #	94
51) 4-Methyl-2-Pentanone	10.226	43	414234	264.12	ug/l	99
52) Toluene	10.402	92	378133	49.68	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	200333	51.66	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	225210	49.12	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	109808	48.72	ug/l #	87
56) Ethyl methacrylate	10.655	69	136962	50.44	ug/l	100
57) 1,3-Dichloropropane	10.943	76	191170	50.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	374878	287.25	ug/l	100
59) 2-Hexanone	10.985	43	282021	266.42	ug/l	99
60) Dibromochloromethane	11.137	129	143702	47.92	ug/l	97
61) 1,2-Dibromoethane	11.243	107	108481	49.59	ug/l	97
64) Tetrachloroethene	10.873	164	129218	50.84	ug/l	97
65) Chlorobenzene	11.667	112	409212	50.84	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	149603	49.12	ug/l	98
67) Ethyl Benzene	11.743	91	758563	53.16	ug/l	98
68) m/p-Xylenes	11.849	106	572945	106.78	ug/l	98
69) o-Xylene	12.179	106	256485	53.32	ug/l	98
70) Styrene	12.190	104	448018	52.74	ug/l	100
71) Bromoform	12.355	173	80879	51.81	ug/l #	100
73) Isopropylbenzene	12.473	105	715856	52.94	ug/l	99
74) N-amyl acetate	12.284	43	155354	54.71	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	130402	49.19	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	85081m	50.03	ug/l	
77) Bromobenzene	12.755	156	158317	50.57	ug/l	96
78) n-propylbenzene	12.814	91	874881	52.67	ug/l	100
79) 2-Chlorotoluene	12.902	91	474527	51.23	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	614767	53.41	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	40229	51.47	ug/l	96
82) 4-Chlorotoluene	13.002	91	512577	51.69	ug/l	98
83) tert-Butylbenzene	13.220	119	510324	54.40	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	613113	53.31	ug/l	99
85) sec-Butylbenzene	13.396	105	728490	53.65	ug/l	99
86) p-Isopropyltoluene	13.508	119	673194	53.71	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	316426	50.37	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	309611	50.00	ug/l	99
89) n-Butylbenzene	13.837	91	647866	54.48	ug/l	100
90) Hexachloroethane	14.108	117	129595	50.30	ug/l	99
91) 1,2-Dichlorobenzene	13.884	146	274032	50.17	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	20114	46.13	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	172302	53.17	ug/l	99
94) Hexachlorobutadiene	15.261	225	95131	50.69	ug/l	98
95) Naphthalene	15.396	128	335404	50.40	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	148081	52.91	ug/l	97

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

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