

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069248.D
 Acq On : 21 May 2021 19:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:44:06 PM

Quant Time: May 22 00:37:26 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	266040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	435823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	423471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	219608	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	135229	50.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.40%			
35) Dibromofluoromethane	7.914	113	143298	50.52	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.04%			
50) Toluene-d8	10.338	98	503256	48.29	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.58%			
62) 4-Bromofluorobenzene	12.626	95	168493	50.25	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.50%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	116932	41.34	ug/l	96
3) Chloromethane	2.209	50	159362	49.02	ug/l	97
4) Vinyl Chloride	2.338	62	218288	50.94	ug/l	99
5) Bromomethane	2.750	94	137680	42.71	ug/l	97
6) Chloroethane	2.909	64	141101	51.19	ug/l	99
7) Trichlorofluoromethane	3.262	101	226058	43.24	ug/l	99
8) Diethyl Ether	3.703	74	62602	52.46	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.085	101	133604	45.10	ug/l	99
10) Methyl Iodide	4.291	142	123028	40.09	ug/l	99
11) Tert butyl alcohol	5.238	59	46024	346.98	ug/l	97
12) 1,1-Dichloroethene	4.061	96	123429	46.37	ug/l	99
13) Acrolein	3.920	56	52890	243.73	ug/l	94
14) Allyl chloride	4.709	41	139485	47.77	ug/l	96
15) Acrylonitrile	5.420	53	124326	279.13	ug/l	99
16) Acetone	4.162	43	94351	230.98	ug/l	100
17) Carbon Disulfide	4.397	76	381590	43.25	ug/l	95
18) Methyl Acetate	4.720	43	55714	56.14	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	263908	54.64	ug/l	97
20) Methylene Chloride	4.956	84	170993	51.77	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	148175	46.95	ug/l	96
22) Diisopropyl ether	6.361	45	304586	52.23	ug/l	97
23) Vinyl Acetate	6.303	43	954841	277.45	ug/l	99
24) 1,1-Dichloroethane	6.261	63	244138	48.46	ug/l	99
25) 2-Butanone	7.208	43	148330	267.98	ug/l	91
26) 2,2-Dichloropropane	7.208	77	201790	42.83	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	164438	47.99	ug/l	97
28) Bromochloromethane	7.544	49	96555	53.76	ug/l	96
29) Tetrahydrofuran	7.561	42	89245	296.61	ug/l	95
30) Chloroform	7.708	83	280482	49.45	ug/l	98
31) Cyclohexane	7.979	56	165531	41.88	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	240195	46.68	ug/l	98
36) 1,1-Dichloropropene	8.108	75	198680	46.89	ug/l	98
37) Ethyl Acetate	7.291	43	69886	51.34	ug/l #	94
38) Carbon Tetrachloride	8.091	117	211577	44.67	ug/l	98
39) Methylcyclohexane	9.355	83	198609	44.44	ug/l	95
40) Benzene	8.350	78	589512	48.57	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	43578	60.14	ug/l #	66
42) 1,2-Dichloroethane	8.426	62	171122	51.63	ug/l	99
43) Isopropyl Acetate	8.450	43	135123	54.66	ug/l	98
44) Trichloroethene	9.108	130	157415	46.41	ug/l	97
45) 1,2-Dichloropropane	9.385	63	142739	49.83	ug/l	100
46) Dibromomethane	9.473	93	85712	50.05	ug/l	98
47) Bromodichloromethane	9.661	83	219655	50.40	ug/l	97
48) Methyl methacrylate	9.455	41	62777	54.91	ug/l	97
49) 1,4-Dioxane	9.461	88	19812	1188.48	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	377340	296.67	ug/l	100
52) Toluene	10.402	92	386634	49.36	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	186338	48.66	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	220570	48.19	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	121487	52.63	ug/l	98
56) Ethyl methacrylate	10.661	69	132810	52.67	ug/l	98
57) 1,3-Dichloropropane	10.943	76	197825	53.03	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	354914	310.61	ug/l	99
59) 2-Hexanone	10.985	43	252406	297.39	ug/l	99
60) Dibromochloromethane	11.138	129	153097	51.64	ug/l	99
61) 1,2-Dibromoethane	11.243	107	115472	50.62	ug/l	98
64) Tetrachloroethene	10.873	164	131273	44.60	ug/l	97
65) Chlorobenzene	11.667	112	422727	48.16	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	158352	47.84	ug/l	98
67) Ethyl Benzene	11.743	91	723599	47.90	ug/l	95
68) m/p-Xylenes	11.849	106	579144	97.84	ug/l	100
69) o-Xylene	12.173	106	260195	49.43	ug/l	99
70) Styrene	12.190	104	466775	50.80	ug/l	99
71) Bromoform	12.355	173	86969	50.52	ug/l #	100
73) Isopropylbenzene	12.473	105	688527	44.86	ug/l	99
74) N-amyl acetate	12.285	43	131909	52.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	142296	51.16	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	97324m	58.96	ug/l	
77) Bromobenzene	12.755	156	170315	46.76	ug/l	98
78) n-propylbenzene	12.814	91	851048	45.95	ug/l	100
79) 2-Chlorotoluene	12.902	91	470588	45.67	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	594847	47.00	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	39472	48.30	ug/l	96
82) 4-Chlorotoluene	12.996	91	508885	46.36	ug/l	99
83) tert-Butylbenzene	13.220	119	495017	46.94	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	603098	47.37	ug/l	99
85) sec-Butylbenzene	13.396	105	721121	45.47	ug/l	99
86) p-Isopropyltoluene	13.508	119	638795	45.85	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	342810	46.50	ug/l	100
88) 1,4-Dichlorobenzene	13.590	146	336640	46.11	ug/l	99
89) n-Butylbenzene	13.837	91	589918	45.44	ug/l	99
90) Hexachloroethane	14.102	117	114438	43.83	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	298113	47.09	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	20454	47.38	ug/l	99
93) 1,2,4-Trichlorobenzene	15.155	180	170157	43.86	ug/l	100
94) Hexachlorobutadiene	15.255	225	96505	41.45	ug/l	98
95) Naphthalene	15.390	128	325983	45.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	154557	46.57	ug/l	99

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

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