

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069977.D
 Acq On : 04 Aug 2021 10:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/5/2021 6:41:41 PM

Quant Time: Aug 05 03:08:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	575909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1004516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	934694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	446097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	317300	47.905	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.820%		
35) Dibromofluoromethane	7.914	113	306516	48.404	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.800%		
50) Toluene-d8	10.338	98	1293602	52.978	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.960%		
62) 4-Bromofluorobenzene	12.626	95	436842	53.532	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	252812	41.706	ug/l	99
3) Chloromethane	2.209	50	363553	41.345	ug/l	98
4) Vinyl Chloride	2.350	62	414731	44.843	ug/l	98
5) Bromomethane	2.762	94	267786	49.042	ug/l	98
6) Chloroethane	2.915	64	269278	44.920	ug/l	96
7) Trichlorofluoromethane	3.268	101	522410	45.756	ug/l	99
8) Diethyl Ether	3.709	74	156267	48.659	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	340583	46.969	ug/l	98
10) Methyl Iodide	4.291	142	331168	46.516	ug/l	99
11) Tert butyl alcohol	5.214	59	82579	240.946	ug/l #	89
12) 1,1-Dichloroethene	4.067	96	313716	47.611	ug/l	99
13) Acrolein	3.920	56	130942	272.930	ug/l	100
14) Allyl chloride	4.709	41	484672	50.169	ug/l	98
15) Acrylonitrile	5.420	53	377750	250.045	ug/l	99
16) Acetone	4.156	43	347285	290.250	ug/l	99
17) Carbon Disulfide	4.409	76	1024211	43.472	ug/l	99
18) Methyl Acetate	4.715	43	157882	45.477	ug/l	99
19) Methyl tert-butyl Ether	5.467	73	702893	51.485	ug/l	100
20) Methylene Chloride	4.956	84	457577	53.206	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	364089	46.892	ug/l	94
22) Diisopropyl ether	6.361	45	1077529	51.329	ug/l	99
23) Vinyl Acetate	6.303	43	2765447	240.332	ug/l	99
24) 1,1-Dichloroethane	6.256	63	674854	46.543	ug/l	100
25) 2-Butanone	7.208	43	432853	266.764	ug/l	100
26) 2,2-Dichloropropane	7.203	77	569889	51.688	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	400145	48.297	ug/l	99
28) Bromochloromethane	7.538	49	299952	54.486	ug/l	99
29) Tetrahydrofuran	7.561	42	281048	267.722	ug/l	97
30) Chloroform	7.708	83	672334	46.119	ug/l	95
31) Cyclohexane	7.985	56	617120	47.685	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	532434	44.124	ug/l	99
36) 1,1-Dichloropropene	8.108	75	530768	48.962	ug/l	100
37) Ethyl Acetate	7.291	43	200109	50.707	ug/l	99
38) Carbon Tetrachloride	8.091	117	491920	49.679	ug/l	100
39) Methylcyclohexane	9.350	83	624531	50.304	ug/l	97
40) Benzene	8.344	78	1480188	47.132	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	110071	53.148	ug/l	96
42) 1,2-Dichloroethane	8.420	62	391893	47.184	ug/l	98
43) Isopropyl Acetate	8.450	43	364668	51.522	ug/l	100
44) Trichloroethene	9.108	130	339975	43.958	ug/l	99
45) 1,2-Dichloropropane	9.385	63	396359	48.048	ug/l	98
46) Dibromomethane	9.473	93	188116	46.392	ug/l	97
47) Bromodichloromethane	9.655	83	492651	46.763	ug/l	97
48) Methyl methacrylate	9.450	41	167804	44.828	ug/l	96
49) 1,4-Dioxane	9.461	88	42514	992.374	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	1004803	272.812	ug/l	99
52) Toluene	10.397	92	959011	50.339	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	466005	52.697	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	560500	52.354	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	271805	47.457	ug/l	98
56) Ethyl methacrylate	10.655	69	342855	48.541	ug/l	95
57) 1,3-Dichloropropane	10.938	76	486297	50.178	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	850633	271.183	ug/l	99
59) 2-Hexanone	10.979	43	661416	271.492	ug/l	100
60) Dibromochloromethane	11.132	129	314958	48.557	ug/l	98
61) 1,2-Dibromoethane	11.238	107	255912	49.628	ug/l	98
64) Tetrachloroethene	10.873	164	286076	48.014	ug/l	97
65) Chlorobenzene	11.661	112	962871	49.722	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	342256	49.130	ug/l	97
67) Ethyl Benzene	11.738	91	1790079	52.506	ug/l	98
68) m/p-Xylenes	11.844	106	1388355	105.047	ug/l	100
69) o-Xylene	12.173	106	631836	52.586	ug/l	99
70) Styrene	12.185	104	1127699	54.158	ug/l	99
71) Bromoform	12.349	173	169989	50.247	ug/l #	100
73) Isopropylbenzene	12.473	105	1691495	52.772	ug/l	100
74) N-amyl acetate	12.279	43	351675	53.341	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	319693	49.944	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	220244m	46.448	ug/l	
77) Bromobenzene	12.755	156	359873	49.850	ug/l	99
78) n-propylbenzene	12.814	91	2160280	52.475	ug/l	100
79) 2-Chlorotoluene	12.896	91	1214535	50.791	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1440873	52.550	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	91712	58.677	ug/l	99
82) 4-Chlorotoluene	12.996	91	1264918	50.598	ug/l	99
83) tert-Butylbenzene	13.214	119	1176323	52.768	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1430608	52.888	ug/l	99
85) sec-Butylbenzene	13.390	105	1880685	53.365	ug/l	100
86) p-Isopropyltoluene	13.508	119	1516972	52.983	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	743563	49.059	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	729222	48.272	ug/l	99
89) n-Butylbenzene	13.832	91	1510131	53.444	ug/l	100
90) Hexachloroethane	14.102	117	296448	48.879	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	649043	49.615	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	45802	49.691	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	370285	52.464	ug/l	98
94) Hexachlorobutadiene	15.255	225	216513	50.149	ug/l	99
95) Naphthalene	15.385	128	688902	47.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	323766	53.044	ug/l	99

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

