

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069902.D
 Acq On : 29 Jul 2021 10:40
 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
 7/30/2021 6:19:52 PM

Quant Time: Jul 30 00:52:06 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	7.979	168	557430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	988229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	930102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	443372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	336460	52.482	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.960%			
35) Dibromofluoromethane	7.914	113	349762	56.143	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.280%			
50) Toluene-d8	10.332	98	1355997	56.449	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.900%			
62) 4-Bromofluorobenzene	12.626	95	466693	58.132	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	249574	42.537	ug/l	99
3) Chloromethane	2.209	50	371518	43.652	ug/l	98
4) Vinyl Chloride	2.344	62	409738	45.771	ug/l	99
5) Bromomethane	2.762	94	265544	50.293	ug/l	97
6) Chloroethane	2.915	64	273006	47.052	ug/l	91
7) Trichlorofluoromethane	3.267	101	512920	46.414	ug/l	98
8) Diethyl Ether	3.709	74	151178	48.635	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	332117	47.320	ug/l	99
10) Methyl Iodide	4.297	142	302546	44.099	ug/l	99
11) Tert butyl alcohol	5.220	59	73367	221.164	ug/l	100
12) 1,1-Dichloroethene	4.067	96	310125	48.626	ug/l	97
13) Acrolein	3.920	56	124985	269.150	ug/l	99
14) Allyl chloride	4.714	41	455925	48.758	ug/l	99
15) Acrylonitrile	5.420	53	358390	245.094	ug/l	99
16) Acetone	4.156	43	255841	220.912	ug/l	99
17) Carbon Disulfide	4.409	76	1045381	45.842	ug/l	99
18) Methyl Acetate	4.720	43	155598	46.305	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	667236	50.494	ug/l	100
20) Methylene Chloride	4.961	84	417930	49.799	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	368451	49.027	ug/l	98
22) Diisopropyl ether	6.361	45	1067593	52.541	ug/l	98
23) Vinyl Acetate	6.303	43	2555805	230.395	ug/l	98
24) 1,1-Dichloroethane	6.261	63	687216	48.966	ug/l	99
25) 2-Butanone	7.208	43	383296	244.053	ug/l	97
26) 2,2-Dichloropropane	7.208	77	534271	50.064	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	401798	50.105	ug/l	99
28) Bromochloromethane	7.544	49	273401	51.309	ug/l	99
29) Tetrahydrofuran	7.555	42	258046	253.959	ug/l	98
30) Chloroform	7.708	83	689283	48.849	ug/l	95
31) Cyclohexane	7.985	56	583885	46.612	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	571527	48.934	ug/l	99
36) 1,1-Dichloropropene	8.108	75	530277	49.723	ug/l	100
37) Ethyl Acetate	7.285	43	189178	48.727	ug/l	99
38) Carbon Tetrachloride	8.091	117	476874	48.953	ug/l	99
39) Methylcyclohexane	9.349	83	610098	49.951	ug/l	98
40) Benzene	8.350	78	1543811	49.968	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	95905	47.071	ug/l	98
42) 1,2-Dichloroethane	8.420	62	393008	48.098	ug/l	98
43) Isopropyl Acetate	8.450	43	336708	48.356	ug/l	97
44) Trichloroethene	9.108	130	367121	48.250	ug/l	99
45) 1,2-Dichloropropane	9.385	63	407368	50.196	ug/l	98
46) Dibromomethane	9.467	93	193078	48.400	ug/l	97
47) Bromodichloromethane	9.655	83	515388	49.727	ug/l	96
48) Methyl methacrylate	9.455	41	171773	46.533	ug/l	99
49) 1,4-Dioxane	9.461	88	43607	1034.663	ug/l	95
51) 4-Methyl-2-Pentanone	10.226	43	932278	257.293	ug/l	99
52) Toluene	10.396	92	976697	52.112	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	430057	49.434	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	521015	49.468	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	276474	49.068	ug/l	97
56) Ethyl methacrylate	10.655	69	317437	45.912	ug/l	98
57) 1,3-Dichloropropane	10.938	76	481828	50.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	847873	274.483	ug/l	99
59) 2-Hexanone	10.979	43	620794	259.017	ug/l	99
60) Dibromochloromethane	11.132	129	320433	50.215	ug/l	100
61) 1,2-Dibromoethane	11.238	107	252736	49.820	ug/l	99
64) Tetrachloroethene	10.873	164	294557	49.682	ug/l	98
65) Chlorobenzene	11.661	112	975836	50.641	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	351983	50.776	ug/l	98
67) Ethyl Benzene	11.738	91	1797272	52.977	ug/l	100
68) m/p-Xylenes	11.843	106	1415931	107.663	ug/l	100
69) o-Xylene	12.173	106	639704	53.504	ug/l	100
70) Styrene	12.185	104	1132939	54.678	ug/l	99
71) Bromoform	12.355	173	169064	50.220	ug/l #	100
73) Isopropylbenzene	12.473	105	1683059	52.832	ug/l	99
74) N-amyl acetate	12.279	43	335961	51.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	315852	49.647	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	208552m	44.253	ug/l	
77) Bromobenzene	12.755	156	359455	50.098	ug/l	99
78) n-propylbenzene	12.814	91	2152340	52.604	ug/l	100
79) 2-Chlorotoluene	12.896	91	1225930	51.583	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1457850	53.496	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	78332	50.425	ug/l	98
82) 4-Chlorotoluene	12.996	91	1280468	51.535	ug/l	99
83) tert-Butylbenzene	13.214	119	1169352	52.778	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1438956	53.524	ug/l	99
85) sec-Butylbenzene	13.390	105	1851835	52.869	ug/l	100
86) p-Isopropyltoluene	13.508	119	1513525	53.188	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	757248	50.269	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	732646	48.796	ug/l	99
89) n-Butylbenzene	13.832	91	1468857	52.303	ug/l	100
90) Hexachloroethane	14.102	117	294797	48.906	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	654828	50.365	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	43065	47.009	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	354051	50.472	ug/l	99
94) Hexachlorobutadiene	15.255	225	217721	50.738	ug/l	98
95) Naphthalene	15.384	128	635593	44.473	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	310179	51.131	ug/l	99

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

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