

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069799.D
 Acq On : 21 Jul 2021 19:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/22/2021 6:02:36 PM

Quant Time: Jul 22 03:43:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	493132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	931003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	950500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	451760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	331373	53.817	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.640%			
35) Dibromofluoromethane	7.908	113	307339	49.206	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.420%			
50) Toluene-d8	10.332	98	1271168	52.386	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.626	95	435814	53.852	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	237560	46.769	ug/l	95
3) Chloromethane	2.209	50	352546	50.663	ug/l	97
4) Vinyl Chloride	2.344	62	370092	49.337	ug/l	99
5) Bromomethane	2.762	94	243851	52.704	ug/l	99
6) Chloroethane	2.920	64	247084	51.481	ug/l	100
7) Trichlorofluoromethane	3.267	101	442542	46.781	ug/l	98
8) Diethyl Ether	3.709	74	135024	48.923	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	282480	48.153	ug/l	99
10) Methyl Iodide	4.297	142	249235	41.085	ug/l	98
11) Tert butyl alcohol	5.220	59	69729	84.759	ug/l #	94
12) 1,1-Dichloroethene	4.061	96	268451	49.917	ug/l	98
13) Acrolein	3.920	56	101904	240.055	ug/l	97
14) Allyl chloride	4.714	41	400379	48.183	ug/l	98
15) Acrylonitrile	5.420	53	321816	257.139	ug/l	99
16) Acetone	4.156	43	226495	185.150	ug/l	94
17) Carbon Disulfide	4.403	76	920835	48.535	ug/l	98
18) Methyl Acetate	4.714	43	144433	48.044	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	585906	51.464	ug/l	99
20) Methylene Chloride	4.961	84	421390	49.692	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	316132	49.224	ug/l	99
22) Diisopropyl ether	6.361	45	956317	55.530	ug/l	98
23) Vinyl Acetate	6.303	43	2288461	237.154	ug/l	96
24) 1,1-Dichloroethane	6.261	63	616766	51.321	ug/l	99
25) 2-Butanone	7.208	43	343877	236.296	ug/l	100
26) 2,2-Dichloropropane	7.208	77	430008	44.848	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	359214	51.850	ug/l	97
28) Bromochloromethane	7.544	49	283401	61.105	ug/l	96
29) Tetrahydrofuran	7.561	42	219909	243.898	ug/l	96
30) Chloroform	7.708	83	584845	48.923	ug/l	97
31) Cyclohexane	7.985	56	456879	43.678	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	455529	44.940	ug/l	100
36) 1,1-Dichloropropene	8.108	75	427460	44.505	ug/l	99
37) Ethyl Acetate	7.291	43	174759	48.101	ug/l	98
38) Carbon Tetrachloride	8.097	117	388916	44.219	ug/l	97
39) Methylcyclohexane	9.355	83	458843	40.384	ug/l	93
40) Benzene	8.349	78	1387390	50.081	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	92845	49.309	ug/l	95
42) 1,2-Dichloroethane	8.426	62	358936	47.735	ug/l	98
43) Isopropyl Acetate	8.449	43	309661	46.543	ug/l	99
44) Trichloroethene	9.108	130	303833	45.229	ug/l	96
45) 1,2-Dichloropropane	9.385	63	339122	46.575	ug/l	98
46) Dibromomethane	9.473	93	167528	47.142	ug/l	99
47) Bromodichloromethane	9.655	83	461626	49.013	ug/l	100
48) Methyl methacrylate	9.449	41	142334	41.407	ug/l	93
49) 1,4-Dioxane	9.461	88	36694	804.378	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	860216	249.669	ug/l	100
52) Toluene	10.396	92	791446	47.498	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	381377	48.169	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	456348	46.937	ug/l	97
55) 1,1,2-Trichloroethane	10.796	97	230416	46.351	ug/l	99
56) Ethyl methacrylate	10.661	69	288032	45.506	ug/l	98
57) 1,3-Dichloropropane	10.943	76	410317	46.753	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	788166	277.393	ug/l	99
59) 2-Hexanone	10.979	43	548465	238.828	ug/l	100
60) Dibromochloromethane	11.132	129	292725	50.476	ug/l	100
61) 1,2-Dibromoethane	11.243	107	229241	49.703	ug/l	100
64) Tetrachloroethene	10.873	164	242257	41.737	ug/l	99
65) Chlorobenzene	11.661	112	870412	45.840	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	313656	46.243	ug/l	99
67) Ethyl Benzene	11.738	91	1571847	46.747	ug/l	100
68) m/p-Xylenes	11.849	106	1245198	97.933	ug/l	98
69) o-Xylene	12.173	106	558666	48.253	ug/l	99
70) Styrene	12.185	104	1012856	50.130	ug/l	99
71) Bromoform	12.349	173	156950	47.727	ug/l #	98
73) Isopropylbenzene	12.473	105	1435025	44.611	ug/l	99
74) N-amyl acetate	12.279	43	304698	43.591	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	286184	44.666	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	194687m	44.361	ug/l	
77) Bromobenzene	12.755	156	324904	45.526	ug/l	98
78) n-propylbenzene	12.814	91	1872252	45.903	ug/l	100
79) 2-Chlorotoluene	12.896	91	1085866	45.285	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1255298	46.010	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	65275	39.971	ug/l	97
82) 4-Chlorotoluene	12.996	91	1134609	45.092	ug/l	99
83) tert-Butylbenzene	13.214	119	993279	44.656	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1258090	46.476	ug/l	98
85) sec-Butylbenzene	13.390	105	1567024	44.827	ug/l	100
86) p-Isopropyltoluene	13.508	119	1297743	45.580	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	671392	45.299	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	657323	44.410	ug/l	99
89) n-Butylbenzene	13.832	91	1222103	43.324	ug/l	100
90) Hexachloroethane	14.102	117	261412	45.119	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	578756	45.287	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	41445	43.429	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	312783	44.025	ug/l	99
94) Hexachlorobutadiene	15.255	225	181799	42.441	ug/l	100
95) Naphthalene	15.384	128	572005	40.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	277961	45.546	ug/l	100

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

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