

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069859.D
 Acq On : 26 Jul 2021 20:39
 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
 7/27/2021 12:14:31 PM

Quant Time: Jul 27 05:14:23 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	681576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1256885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1194140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	547565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	382520	48.799	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.600%		
35) Dibromofluoromethane	7.914	113	386212	48.743	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.480%		
50) Toluene-d8	10.338	98	1444522	47.281	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.560%		
62) 4-Bromofluorobenzene	12.626	95	503553	49.317	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.640%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	296038	41.266	ug/l	99
3) Chloromethane	2.209	50	450302	43.271	ug/l	97
4) Vinyl Chloride	2.344	62	481319	43.974	ug/l	100
5) Bromomethane	2.762	94	323723	50.138	ug/l	98
6) Chloroethane	2.915	64	329929	46.505	ug/l	96
7) Trichlorofluoromethane	3.268	101	595104	44.042	ug/l	100
8) Diethyl Ether	3.709	74	209118	55.021	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	380377	44.325	ug/l	99
10) Methyl Iodide	4.297	142	407321	48.207	ug/l	99
11) Tert butyl alcohol	5.220	59	104306	257.158	ug/l	99
12) 1,1-Dichloroethene	4.068	96	373049	47.838	ug/l	98
13) Acrolein	3.921	56	146340	257.736	ug/l	98
14) Allyl chloride	4.709	41	581252	50.839	ug/l	98
15) Acrylonitrile	5.415	53	478720	267.753	ug/l	99
16) Acetone	4.156	43	319781	225.828	ug/l	91
17) Carbon Disulfide	4.409	76	1254872	45.005	ug/l	99
18) Methyl Acetate	4.715	43	206388	50.233	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	938553	58.089	ug/l	99
20) Methylene Chloride	4.962	84	545130	53.607	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	458756	49.925	ug/l	98
22) Diisopropyl ether	6.362	45	1363752	54.891	ug/l	96
23) Vinyl Acetate	6.303	43	3405842	249.271	ug/l	98
24) 1,1-Dichloroethane	6.267	63	851223	49.605	ug/l	99
25) 2-Butanone	7.209	43	513793	267.556	ug/l	98
26) 2,2-Dichloropropane	7.209	77	630049	48.286	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	520618	53.096	ug/l	96
28) Bromochloromethane	7.544	49	321895	49.407	ug/l	99
29) Tetrahydrofuran	7.562	42	353948	284.894	ug/l	97
30) Chloroform	7.709	83	856990	49.672	ug/l	96
31) Cyclohexane	7.979	56	679016	44.333	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	688923	48.242	ug/l	100
36) 1,1-Dichloropropene	8.109	75	625214	46.094	ug/l	99
37) Ethyl Acetate	7.291	43	246234	49.866	ug/l	98
38) Carbon Tetrachloride	8.091	117	566105	45.691	ug/l	99
39) Methylcyclohexane	9.356	83	714203	45.976	ug/l	98
40) Benzene	8.350	78	1899845	48.348	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	130148	50.224	ug/l	99
42) 1,2-Dichloroethane	8.420	62	512989	49.363	ug/l	99
43) Isopropyl Acetate	8.450	43	469536	53.019	ug/l	98
44) Trichloroethene	9.109	130	456089	47.130	ug/l	99
45) 1,2-Dichloropropane	9.385	63	494138	47.873	ug/l	99
46) Dibromomethane	9.473	93	250847	49.441	ug/l	97
47) Bromodichloromethane	9.656	83	654276	49.634	ug/l	97
48) Methyl methacrylate	9.450	41	233100	49.465	ug/l	99
49) 1,4-Dioxane	9.456	88	57290	1068.768	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	1232782	267.504	ug/l	98
52) Toluene	10.397	92	1185334	49.726	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	568249	51.357	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	673840	50.303	ug/l	100
55) 1,1,2-Trichloroethane	10.797	97	351659	49.071	ug/l	97
56) Ethyl methacrylate	10.656	69	440400	49.728	ug/l	97
57) 1,3-Dichloropropane	10.938	76	620870	51.201	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	996994	255.344	ug/l	100
59) 2-Hexanone	10.979	43	835271	274.013	ug/l	99
60) Dibromochloromethane	11.132	129	411725	50.730	ug/l	99
61) 1,2-Dibromoethane	11.244	107	328534	50.919	ug/l	98
64) Tetrachloroethene	10.873	164	354789	46.609	ug/l	98
65) Chlorobenzene	11.661	112	1226820	49.588	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	442310	49.698	ug/l	97
67) Ethyl Benzene	11.738	91	2230552	51.211	ug/l	99
68) m/p-Xylenes	11.850	106	1724630	102.140	ug/l	99
69) o-Xylene	12.173	106	804667	52.420	ug/l	100
70) Styrene	12.185	104	1415867	53.223	ug/l	100
71) Bromoform	12.350	173	222147	51.397	ug/l #	100
73) Isopropylbenzene	12.473	105	2053789	52.202	ug/l	100
74) N-amyl acetate	12.279	43	441200	54.519	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	395995	50.400	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	272158m	46.761	ug/l	
77) Bromobenzene	12.749	156	463639	52.323	ug/l	97
78) n-propylbenzene	12.814	91	2587102	51.198	ug/l	100
79) 2-Chlorotoluene	12.897	91	1515787	51.643	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1754849	52.141	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	103817	54.114	ug/l	98
82) 4-Chlorotoluene	12.997	91	1567022	51.067	ug/l	99
83) tert-Butylbenzene	13.214	119	1424681	52.066	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1756337	52.898	ug/l	99
85) sec-Butylbenzene	13.391	105	2194894	50.740	ug/l	100
86) p-Isopropyltoluene	13.508	119	1806971	51.417	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	920828	49.497	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	909670	49.058	ug/l	99
89) n-Butylbenzene	13.832	91	1706520	49.203	ug/l	99
90) Hexachloroethane	14.102	117	366193	49.191	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	806751	50.243	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	57801	51.089	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	456710	52.718	ug/l	99
94) Hexachlorobutadiene	15.255	225	254344	47.994	ug/l	99
95) Naphthalene	15.391	128	892149	49.863	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	411502	54.925	ug/l	100

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

