

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070766.D
 Acq On : 20 Oct 2021 10:27
 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
 10/21/2021 6:54:40 PM

Quant Time: Oct 21 05:35:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	437015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	686416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	653734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	328163	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	248460	48.00	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.00%		
35) Dibromofluoromethane	7.909	113	223888	50.94	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.88%		
50) Toluene-d8	10.332	98	861235	51.12	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.24%		
62) 4-Bromofluorobenzene	12.620	95	298336	51.43	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.86%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	243615	47.68	ug/l	97
3) Chloromethane	2.209	50	341127	44.99	ug/l	99
4) Vinyl Chloride	2.350	62	360494	46.40	ug/l	99
5) Bromomethane	2.762	94	206638	43.62	ug/l	99
6) Chloroethane	2.921	64	227579	46.52	ug/l	94
7) Trichlorofluoromethane	3.273	101	415801	47.34	ug/l	98
8) Diethyl Ether	3.715	74	105335	45.01	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.097	101	252685	48.10	ug/l	99
10) Methyl Iodide	4.297	142	229006	42.55	ug/l	96
11) Tert butyl alcohol	5.215	59	61572	212.49	ug/l #	94
12) 1,1-Dichloroethene	4.068	96	220418	46.40	ug/l	90
13) Acrolein	3.920	56	76543	272.93	ug/l	98
14) Allyl chloride	4.715	41	418751	46.57	ug/l #	91
15) Acrylonitrile	5.415	53	288840	234.42	ug/l	99
16) Acetone	4.156	43	318007	254.72	ug/l	95
17) Carbon Disulfide	4.409	76	835184	48.25	ug/l	99
18) Methyl Acetate	4.715	43	193629	44.62	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	500110	48.70	ug/l	95
20) Methylene Chloride	4.962	84	301048	47.65	ug/l #	88
21) trans-1,2-Dichloroethene	5.467	96	265026	48.63	ug/l	94
22) Diisopropyl ether	6.362	45	880289	50.28	ug/l	93
23) Vinyl Acetate	6.303	43	2103694	228.29	ug/l #	92
24) 1,1-Dichloroethane	6.262	63	517895	47.49	ug/l	98
25) 2-Butanone	7.209	43	368991	239.24	ug/l #	87
26) 2,2-Dichloropropane	7.203	77	421681	48.89	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	280894	48.07	ug/l	90
28) Bromochloromethane	7.544	49	203335	46.90	ug/l	86
29) Tetrahydrofuran	7.561	42	232534	246.29	ug/l #	84
30) Chloroform	7.703	83	505484	47.44	ug/l	96
31) Cyclohexane	7.985	56	495713	47.34	ug/l	89
32) 1,1,1-Trichloroethane	7.903	97	440948	48.78	ug/l	96
36) 1,1-Dichloropropene	8.108	75	393762	51.49	ug/l	97
37) Ethyl Acetate	7.291	43	171458	54.12	ug/l #	92
38) Carbon Tetrachloride	8.097	117	377642	51.56	ug/l	98
39) Methylcyclohexane	9.350	83	454699	52.73	ug/l #	89
40) Benzene	8.350	78	1116394	50.69	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	91430	45.93	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	317881	50.86	ug/l	96
43) Isopropyl Acetate	8.450	43	303627	50.24	ug/l #	91
44) Trichloroethene	9.108	130	259350	50.15	ug/l	96
45) 1,2-Dichloropropane	9.379	63	297818	51.18	ug/l	95
46) Dibromomethane	9.467	93	140689	50.49	ug/l	95
47) Bromodichloromethane	9.655	83	378016	51.14	ug/l	96
48) Methyl methacrylate	9.450	41	154447	52.17	ug/l #	85
49) 1,4-Dioxane	9.461	88	32234	1077.37	ug/l #	93
51) 4-Methyl-2-Pentanone	10.220	43	849200	266.60	ug/l	90
52) Toluene	10.397	92	700223	53.41	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	339640	51.44	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	406803	51.47	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	197619	51.64	ug/l	99
56) Ethyl methacrylate	10.655	69	239576	46.35	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	347130	51.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	519317	257.65	ug/l	94
59) 2-Hexanone	10.979	43	615742	274.64	ug/l	90
60) Dibromochloromethane	11.132	129	227974	51.83	ug/l	99
61) 1,2-Dibromoethane	11.238	107	179135	51.16	ug/l	99
64) Tetrachloroethene	10.873	164	222934	50.75	ug/l	91
65) Chlorobenzene	11.661	112	672914	50.19	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	253197	51.04	ug/l	100
67) Ethyl Benzene	11.738	91	1291458	52.68	ug/l	99
68) m/p-Xylenes	11.844	106	988894	106.48	ug/l	95
69) o-Xylene	12.173	106	437745	51.96	ug/l	94
70) Styrene	12.185	104	797480	54.46	ug/l	96
71) Bromoform	12.349	173	130724	50.75	ug/l #	99
73) Isopropylbenzene	12.473	105	1194987	51.11	ug/l	99
74) N-amyl acetate	12.279	43	303078	49.79	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	223270	48.27	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	144825m	51.08	ug/l	
77) Bromobenzene	12.749	156	264159	49.90	ug/l	98
78) n-propylbenzene	12.808	91	1586604	52.20	ug/l	98
79) 2-Chlorotoluene	12.896	91	880702	50.14	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1054192	53.33	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.514	75	65183	50.36	ug/l	88
82) 4-Chlorotoluene	12.996	91	935789	50.37	ug/l	98
83) tert-Butylbenzene	13.214	119	831907	50.93	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	1027595	52.29	ug/l	100
85) sec-Butylbenzene	13.391	105	1330596	51.83	ug/l	99
86) p-Isopropyltoluene	13.502	119	1076511	52.16	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	542771	48.83	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	533333	48.59	ug/l	99
89) n-Butylbenzene	13.832	91	1072825	51.51	ug/l	99
90) Hexachloroethane	14.096	117	211910	47.58	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	467971	49.26	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	33765	45.77	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	272554	50.15	ug/l	97
94) Hexachlorobutadiene	15.249	225	175456	49.23	ug/l	99
95) Naphthalene	15.385	128	460517	43.99	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	239281	49.55	ug/l	97

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

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