

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100421\
 Data File : VD070545.D
 Acq On : 04 Oct 2021 12:17
 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
 10/5/2021 6:02:46 PM

Quant Time: Oct 05 04:58:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	359572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	613709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	570441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	269443	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	195756	42.40	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.80%
35) Dibromofluoromethane	7.909	113	203560	46.60	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.20%
50) Toluene-d8	10.332	98	797378	50.27	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.54%
62) 4-Bromofluorobenzene	12.626	95	275638	49.73	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.46%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	170646	47.23	ug/l	96
3) Chloromethane	2.209	50	218729	44.52	ug/l	98
4) Vinyl Chloride	2.350	62	267233	47.24	ug/l	93
5) Bromomethane	2.762	94	162746	47.07	ug/l	97
6) Chloroethane	2.921	64	174384	50.99	ug/l	98
7) Trichlorofluoromethane	3.268	101	377173	50.40	ug/l	95
8) Diethyl Ether	3.709	74	101958	49.29	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	231851	49.88	ug/l	99
10) Methyl Iodide	4.297	142	202797	45.67	ug/l	99
11) Tert butyl alcohol	5.215	59	55425	106.17	ug/l #	100
12) 1,1-Dichloroethene	4.062	96	206440	49.31	ug/l	96
13) Acrolein	3.915	56	27828	121.25	ug/l	99
14) Allyl chloride	4.715	41	297699	48.39	ug/l	99
15) Acrylonitrile	5.415	53	235896	239.35	ug/l	99
16) Acetone	4.150	43	243235	295.08	ug/l	99
17) Carbon Disulfide	4.403	76	640566	41.47	ug/l	99
18) Methyl Acetate	4.715	43	109621	48.41	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	466308	51.55	ug/l	100
20) Methylene Chloride	4.962	84	257219	50.09	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	242332	48.63	ug/l	98
22) Diisopropyl ether	6.362	45	651094	49.45	ug/l	96
23) Vinyl Acetate	6.303	43	1547550	253.72	ug/l	99
24) 1,1-Dichloroethane	6.262	63	430136	46.17	ug/l	96
25) 2-Butanone	7.209	43	276702	252.17	ug/l	96
26) 2,2-Dichloropropane	7.209	77	388178	51.55	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	264189	49.35	ug/l	99
28) Bromochloromethane	7.544	49	168432	45.57	ug/l	99
29) Tetrahydrofuran	7.561	42	175536	249.21	ug/l	98
30) Chloroform	7.709	83	441651	46.24	ug/l	100
31) Cyclohexane	7.979	56	387175	48.68	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	406355	50.55	ug/l	100
36) 1,1-Dichloropropene	8.109	75	350494	53.43	ug/l	99
37) Ethyl Acetate	7.285	43	121258	49.43	ug/l	98
38) Carbon Tetrachloride	8.091	117	360259	55.53	ug/l	99
39) Methylcyclohexane	9.350	83	409676	55.90	ug/l	99
40) Benzene	8.350	78	988662	51.43	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	65774	50.96	ug/l	98
42) 1,2-Dichloroethane	8.420	62	250100	48.58	ug/l	98
43) Isopropyl Acetate	8.450	43	225365	49.69	ug/l	98
44) Trichloroethene	9.108	130	240904	52.44	ug/l	88
45) 1,2-Dichloropropane	9.385	63	248042	49.18	ug/l	96
46) Dibromomethane	9.473	93	126324	48.64	ug/l	98
47) Bromodichloromethane	9.655	83	329233	49.69	ug/l	99
48) Methyl methacrylate	9.450	41	111992	53.48	ug/l	99
49) 1,4-Dioxane	9.456	88	30256	1163.12	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	619152	263.82	ug/l	100
52) Toluene	10.397	92	637843	54.91	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	302491	53.07	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	359289	51.80	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	178977	50.09	ug/l	95
56) Ethyl methacrylate	10.655	69	217506	55.77	ug/l	99
57) 1,3-Dichloropropane	10.938	76	310551	51.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	538431	286.42	ug/l	99
59) 2-Hexanone	10.979	43	446560	285.19	ug/l	99
60) Dibromochloromethane	11.132	129	209007	50.27	ug/l	96
61) 1,2-Dibromoethane	11.238	107	164703	50.13	ug/l	100
64) Tetrachloroethene	10.873	164	192043	55.29	ug/l	96
65) Chlorobenzene	11.661	112	631458	53.43	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	231298	53.44	ug/l	97
67) Ethyl Benzene	11.738	91	1182767	58.03	ug/l	100
68) m/p-Xylenes	11.844	106	930976	118.27	ug/l	99
69) o-Xylene	12.173	106	419939	59.55	ug/l	98
70) Styrene	12.185	104	732553	59.47	ug/l	99
71) Bromoform	12.349	173	113914	53.25	ug/l #	99
73) Isopropylbenzene	12.473	105	1134818	60.06	ug/l	100
74) N-amyl acetate	12.279	43	217299	52.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	200602	49.57	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	127800m	46.89	ug/l	
77) Bromobenzene	12.749	156	231824	53.18	ug/l	98
78) n-propylbenzene	12.808	91	1429354	58.28	ug/l	100
79) 2-Chlorotoluene	12.897	91	809241	56.61	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	968741	59.40	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	63753	58.61	ug/l	99
82) 4-Chlorotoluene	12.996	91	842824	55.89	ug/l	100
83) tert-Butylbenzene	13.214	119	809850	61.92	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	962220	59.92	ug/l	98
85) sec-Butylbenzene	13.391	105	1252043	60.22	ug/l	98
86) p-Isopropyltoluene	13.502	119	1014032	60.71	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	489376	53.92	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	475543	52.20	ug/l	99
89) n-Butylbenzene	13.832	91	996916	59.86	ug/l	99
90) Hexachloroethane	14.096	117	198290	51.86	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	412833	51.55	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30416	50.18	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	235771	54.52	ug/l	99
94) Hexachlorobutadiene	15.249	225	149441	56.34	ug/l	98
95) Naphthalene	15.385	128	446803	56.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	203543	53.35	ug/l	100

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

