

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070788.D
 Acq On : 20 Oct 2021 21:04
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/21/2021 6:54:35 PM

Quant Time: Oct 21 05:42:22 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	358127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	618327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	617825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	306958	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	240171	56.62	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.24%			
35) Dibromofluoromethane	7.909	113	213628	53.96	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.92%			
50) Toluene-d8	10.332	98	802098	52.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.70%			
62) 4-Bromofluorobenzene	12.626	95	285648	54.66	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.32%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	178965	42.74	ug/l	99
3) Chloromethane	2.209	50	299294	48.17	ug/l	99
4) Vinyl Chloride	2.344	62	291020	45.71	ug/l	99
5) Bromomethane	2.762	94	185410	47.76	ug/l	95
6) Chloroethane	2.915	64	195929	48.87	ug/l	95
7) Trichlorofluoromethane	3.268	101	322913	44.86	ug/l	98
8) Diethyl Ether	3.709	74	101660	53.01	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.091	101	189715	44.07	ug/l	98
10) Methyl Iodide	4.291	142	209496	47.11	ug/l	97
11) Tert butyl alcohol	5.220	59	57814	243.47	ug/l #	95
12) 1,1-Dichloroethene	4.068	96	183097	47.03	ug/l	97
13) Acrolein	3.915	56	77262	336.17	ug/l	99
14) Allyl chloride	4.709	41	358486	48.65	ug/l #	90
15) Acrylonitrile	5.420	53	273693	271.05	ug/l	98
16) Acetone	4.156	43	209843	205.11	ug/l	95
17) Carbon Disulfide	4.409	76	692526	48.82	ug/l	99
18) Methyl Acetate	4.715	43	191990	53.99	ug/l #	88
19) Methyl tert-butyl Ether	5.479	73	478995	56.91	ug/l	97
20) Methylene Chloride	4.962	84	284213	56.03	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	232101	51.97	ug/l	91
22) Diisopropyl ether	6.362	45	818883	57.08	ug/l #	95
23) Vinyl Acetate	6.303	43	1867949	245.99	ug/l #	92
24) 1,1-Dichloroethane	6.262	63	464394	51.96	ug/l	97
25) 2-Butanone	7.203	43	322815	255.41	ug/l #	84
26) 2,2-Dichloropropane	7.209	77	314003	44.42	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	253923	53.03	ug/l	91
28) Bromochloromethane	7.544	49	190315	53.56	ug/l	85
29) Tetrahydrofuran	7.556	42	225711	291.72	ug/l #	83
30) Chloroform	7.709	83	470799	53.92	ug/l	96
31) Cyclohexane	7.979	56	367995	42.88	ug/l	88
32) 1,1,1-Trichloroethane	7.897	97	366317	49.45	ug/l	96
36) 1,1-Dichloropropene	8.109	75	328288	47.66	ug/l	97
37) Ethyl Acetate	7.291	43	152131	53.31	ug/l	94
38) Carbon Tetrachloride	8.091	117	306921	46.52	ug/l	98
39) Methylcyclohexane	9.350	83	332374	42.79	ug/l #	86
40) Benzene	8.344	78	1004987	50.66	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	85139	47.41	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	295904	52.56	ug/l	95
43) Isopropyl Acetate	8.450	43	292835	53.79	ug/l	92
44) Trichloroethene	9.108	130	227739	48.89	ug/l	93
45) 1,2-Dichloropropane	9.385	63	275887	52.64	ug/l	95
46) Dibromomethane	9.467	93	136160	54.25	ug/l	96
47) Bromodichloromethane	9.656	83	351316	52.76	ug/l	99
48) Methyl methacrylate	9.450	41	146019	54.76	ug/l	84
49) 1,4-Dioxane	9.456	88	27511	1020.77	ug/l #	86
51) 4-Methyl-2-Pentanone	10.220	43	798774	278.39	ug/l	90
52) Toluene	10.397	92	622677	52.72	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	295281	49.65	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	354288	49.76	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	184484	53.52	ug/l	96
56) Ethyl methacrylate	10.655	69	231459	49.41	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	328221	53.66	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	518664	285.66	ug/l	94
59) 2-Hexanone	10.979	43	543575	269.15	ug/l	88
60) Dibromochloromethane	11.132	129	212789	53.71	ug/l	100
61) 1,2-Dibromoethane	11.238	107	166610	52.82	ug/l	99
64) Tetrachloroethene	10.873	164	195072	46.99	ug/l	93
65) Chlorobenzene	11.661	112	616101	48.62	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	235604	50.25	ug/l	99
67) Ethyl Benzene	11.738	91	1141572	49.27	ug/l	99
68) m/p-Xylenes	11.844	106	877786	100.01	ug/l	95
69) o-Xylene	12.173	106	399194	50.14	ug/l	96
70) Styrene	12.185	104	732352	52.92	ug/l	97
71) Bromoform	12.349	173	122489	50.32	ug/l #	99
73) Isopropylbenzene	12.473	105	1029010	47.05	ug/l	100
74) N-amyl acetate	12.279	43	281101	49.37	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	213231	49.28	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	136436m	51.45	ug/l	
77) Bromobenzene	12.749	156	241765	48.83	ug/l	97
78) n-propylbenzene	12.808	91	1342016	47.21	ug/l	99
79) 2-Chlorotoluene	12.897	91	791115	48.15	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	918959	49.70	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	55512	45.85	ug/l #	87
82) 4-Chlorotoluene	12.996	91	861665	49.58	ug/l	97
83) tert-Butylbenzene	13.214	119	715762	46.84	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	926070	50.38	ug/l	98
85) sec-Butylbenzene	13.391	105	1102459	45.91	ug/l	100
86) p-Isopropyltoluene	13.502	119	906170	46.94	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	504248	48.50	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	483257	47.07	ug/l	98
89) n-Butylbenzene	13.832	91	868258	44.56	ug/l	98
90) Hexachloroethane	14.096	117	186272	44.71	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	434917	48.94	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	32420	46.98	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	240912	47.39	ug/l	98
94) Hexachlorobutadiene	15.249	225	141440	42.43	ug/l	99
95) Naphthalene	15.385	128	434484	44.32	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	220536	48.83	ug/l	98

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

