

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122821\
 Data File : VD071493.D
 Acq On : 28 Dec 2021 09:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 28 15:04:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	379034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	626288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	570485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	280096	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239634	47.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.200%
35) Dibromofluoromethane	7.914	113	216050	51.329	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.660%
50) Toluene-d8	10.332	98	826734	51.975	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.940%
62) 4-Bromofluorobenzene	12.626	95	296101	52.386	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.780%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	182490	45.948	ug/l	94
3) Chloromethane	2.215	50	214500	42.178	ug/l	97
4) Vinyl Chloride	2.356	62	255543	41.931	ug/l	98
5) Bromomethane	2.779	94	180974	42.447	ug/l	96
6) Chloroethane	2.932	64	170540	42.165	ug/l	92
7) Trichlorofluoromethane	3.279	101	373438	50.053	ug/l	97
8) Diethyl Ether	3.714	74	103118	48.278	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.103	101	223163	51.414	ug/l	96
10) Methyl Iodide	4.309	142	232278	55.028	ug/l	96
11) Tert butyl alcohol	5.209	59	70146	168.707	ug/l	95
12) 1,1-Dichloroethene	4.067	96	195550	49.520	ug/l	89
13) Acrolein	3.926	56	56380	231.853	ug/l	96
14) Allyl chloride	4.720	41	375812	50.315	ug/l #	80
15) Acrylonitrile	5.414	53	251519	239.119	ug/l	95
16) Acetone	4.150	43	337428	266.866	ug/l #	88
17) Carbon Disulfide	4.414	76	544588	42.326	ug/l	99
18) Methyl Acetate	4.720	43	172840	44.288	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	506267	49.664	ug/l	99
20) Methylene Chloride	4.967	84	236037	49.173	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	225123	49.220	ug/l	92
22) Diisopropyl ether	6.361	45	779619	51.273	ug/l	93
23) Vinyl Acetate	6.303	43	1973505	251.771	ug/l	96
24) 1,1-Dichloroethane	6.267	63	441429	50.640	ug/l	97
25) 2-Butanone	7.203	43	363237	240.510	ug/l #	88
26) 2,2-Dichloropropane	7.208	77	383132	53.492	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	261889	51.767	ug/l	93
28) Bromochloromethane	7.544	49	155993	43.670	ug/l	92
29) Tetrahydrofuran	7.561	42	209173	230.674	ug/l	94
30) Chloroform	7.708	83	447849	50.918	ug/l	92
31) Cyclohexane	7.985	56	394050	46.081	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	403358	51.709	ug/l #	93
36) 1,1-Dichloropropene	8.108	75	349360	51.952	ug/l	97
37) Ethyl Acetate	7.291	43	149914	48.288	ug/l #	93
38) Carbon Tetrachloride	8.097	117	349533	52.684	ug/l	99
39) Methylcyclohexane	9.349	83	396701	50.395	ug/l	98
40) Benzene	8.350	78	920930	50.942	ug/l	99

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41) Methacrylonitrile	7.520	41	88781	48.145	ug/l #	78
42) 1,2-Dichloroethane	8.420	62	290748	49.322	ug/l	94
43) Isopropyl Acetate	8.444	43	303224	49.216	ug/l #	89
44) Trichloroethene	9.108	130	246578	52.342	ug/l	97
45) 1,2-Dichloropropane	9.379	63	250873	53.480	ug/l	99
46) Dibromomethane	9.473	93	128022	49.399	ug/l	95
47) Bromodichloromethane	9.655	83	347440	52.804	ug/l #	98
48) Methyl methacrylate	9.449	41	148585	48.736	ug/l #	80
49) 1,4-Dioxane	9.461	88	26926	919.408	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	785941	242.470	ug/l	91
52) Toluene	10.396	92	602111	52.432	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	318644	51.860	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	373317	52.579	ug/l #	81
55) 1,1,2-Trichloroethane	10.796	97	170313	51.773	ug/l	95
56) Ethyl methacrylate	10.655	69	228028	52.676	ug/l #	74
57) 1,3-Dichloropropane	10.938	76	309773	51.410	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	516384	249.028	ug/l	99
59) 2-Hexanone	10.979	43	596412	260.307	ug/l	88
60) Dibromochloromethane	11.132	129	218303	52.791	ug/l	100
61) 1,2-Dibromoethane	11.238	107	166802	51.194	ug/l	99
64) Tetrachloroethene	10.873	164	198423	50.051	ug/l	92
65) Chlorobenzene	11.667	112	622995	53.239	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	233013	54.506	ug/l	99
67) Ethyl Benzene	11.738	91	1198836	55.048	ug/l	98
68) m/p-Xylenes	11.843	106	900606	108.849	ug/l	96
69) o-Xylene	12.173	106	424169	56.085	ug/l	95
70) Styrene	12.191	104	730799	55.623	ug/l	97
71) Bromoform	12.355	173	122485	52.948	ug/l #	99
73) Isopropylbenzene	12.473	105	1162599	53.839	ug/l	99
74) N-amyl acetate	12.279	43	285436	49.268	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	192721	49.364	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	173082m	52.007	ug/l	
77) Bromobenzene	12.755	156	242130	50.390	ug/l	96
78) n-propylbenzene	12.814	91	1453862	53.713	ug/l	100
79) 2-Chlorotoluene	12.902	91	799606	52.861	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	968101	54.353	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	57849	49.114	ug/l #	79
82) 4-Chlorotoluene	12.996	91	833914	53.148	ug/l	100
83) tert-Butylbenzene	13.214	119	820084	53.882	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	959061	54.405	ug/l	97
85) sec-Butylbenzene	13.390	105	1273851	54.900	ug/l	100
86) p-Isopropyltoluene	13.508	119	1067826	55.464	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	507055	52.397	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	490921	51.737	ug/l	98
89) n-Butylbenzene	13.832	91	1046950	55.405	ug/l	98
90) Hexachloroethane	14.102	117	198781	54.504	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	424901	51.736	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	30741	45.405	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	269746	53.897	ug/l	97
94) Hexachlorobutadiene	15.249	225	152035	56.706	ug/l	98
95) Naphthalene	15.384	128	487016	51.122	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	222345	51.363	ug/l	97

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

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