

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031622\
 Data File : VD072211.D
 Acq On : 16 Mar 2022 11:47
 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

Reviewed By :John
 Carlone

03/17/2022
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 16 14:59:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	493746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	777774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	714401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	349472	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	260165	47.281	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.560%
35) Dibromofluoromethane	7.914	113	264980	48.414	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.820%
50) Toluene-d8	10.332	98	956044	47.771	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.540%
62) 4-Bromofluorobenzene	12.620	95	358211	46.065	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.140%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	214379	46.943	ug/l	98
3) Chloromethane	2.209	50	223591	55.097	ug/l	98
4) Vinyl Chloride	2.350	62	215357	54.977	ug/l	99
5) Bromomethane	2.767	94	131996	51.747	ug/l	97
6) Chloroethane	2.920	64	140701	54.327	ug/l	100
7) Trichlorofluoromethane	3.273	101	430758	48.694	ug/l	98
8) Diethyl Ether	3.703	74	125892	51.528	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	277071	49.121	ug/l	96
10) Methyl Iodide	4.297	142	198943	39.841	ug/l	98
11) Tert butyl alcohol	5.208	59	77920	244.231	ug/l	98
12) 1,1-Dichloroethene	4.067	96	232757	51.292	ug/l	92
13) Acrolein	3.920	56	59171	207.845	ug/l	98
14) Allyl chloride	4.714	41	424891	53.553	ug/l	92
15) Acrylonitrile	5.414	53	317814	257.802	ug/l	98
16) Acetone	4.150	43	307765	257.607	ug/l	96
17) Carbon Disulfide	4.408	76	544554	51.409	ug/l	99
18) Methyl Acetate	4.720	43	141975	48.493	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	646536	52.419	ug/l	98
20) Methylene Chloride	4.961	84	285823	48.091	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	265273	52.852	ug/l	91
22) Diisopropyl ether	6.361	45	946382	52.295	ug/l	92
23) Vinyl Acetate	6.302	43	2564447	277.664	ug/l	97
24) 1,1-Dichloroethane	6.261	63	537242	50.338	ug/l	99
25) 2-Butanone	7.208	43	425371	267.038	ug/l	98
26) 2,2-Dichloropropane	7.202	77	464606	48.247	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	324147	50.585	ug/l	95
28) Bromochloromethane	7.544	49	223864	52.102	ug/l	87
29) Tetrahydrofuran	7.561	42	250757	267.715	ug/l	93
30) Chloroform	7.702	83	558795	49.146	ug/l	95
31) Cyclohexane	7.985	56	449367	52.271	ug/l	93
32) 1,1,1-Trichloroethane	7.902	97	489972	48.520	ug/l	96
36) 1,1-Dichloropropene	8.108	75	404143	52.635	ug/l	97
37) Ethyl Acetate	7.285	43	180483	53.661	ug/l #	97
38) Carbon Tetrachloride	8.091	117	421388	48.280	ug/l	98
39) Methylcyclohexane	9.349	83	470120	54.410	ug/l	98
40) Benzene	8.349	78	1129543	51.565	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	124327	63.419	ug/l	98
42) 1,2-Dichloroethane	8.420	62	336811	50.687	ug/l	97
43) Isopropyl Acetate	8.449	43	350426	53.679	ug/l #	95
44) Trichloroethene	9.108	130	306651	49.866	ug/l	96
45) 1,2-Dichloropropane	9.385	63	300798	50.070	ug/l	97
46) Dibromomethane	9.473	93	154650	52.332	ug/l	95
47) Bromodichloromethane	9.655	83	429733	49.882	ug/l	96
48) Methyl methacrylate	9.449	41	177787	57.035	ug/l	93
49) 1,4-Dioxane	9.455	88	37346	1053.863	ug/l	100
51) 4-Methyl-2-Pentanone	10.220	43	924023	269.492	ug/l	96
52) Toluene	10.396	92	737775	51.184	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	394306	50.096	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	465474	51.157	ug/l	91
55) 1,1,2-Trichloroethane	10.790	97	223418	49.630	ug/l	96
56) Ethyl methacrylate	10.655	69	287887	54.598	ug/l	89
57) 1,3-Dichloropropane	10.938	76	391340	51.797	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	633407	267.169	ug/l	98
59) 2-Hexanone	10.979	43	664078	280.421	ug/l	96
60) Dibromochloromethane	11.132	129	284602	48.721	ug/l	100
61) 1,2-Dibromoethane	11.238	107	206913	50.866	ug/l	98
64) Tetrachloroethene	10.873	164	247828	49.236	ug/l	95
65) Chlorobenzene	11.661	112	790338	49.901	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	301594	48.155	ug/l	99
67) Ethyl Benzene	11.737	91	1443847	51.042	ug/l	100
68) m/p-Xylenes	11.843	106	1101051	102.507	ug/l	99
69) o-Xylene	12.173	106	523112	50.916	ug/l	97
70) Styrene	12.185	104	910139	50.730	ug/l	98
71) Bromoform	12.349	173	162571	48.593	ug/l #	99
73) Isopropylbenzene	12.473	105	1443393	52.120	ug/l	100
74) N-amyl acetate	12.279	43	338095	56.809	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	249883	50.451	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	204789m	53.123	ug/l	
77) Bromobenzene	12.749	156	320000	51.338	ug/l	93
78) n-propylbenzene	12.808	91	1757207	52.238	ug/l	99
79) 2-Chlorotoluene	12.896	91	999480	51.384	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1197346	50.326	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	80812	52.011	ug/l	90
82) 4-Chlorotoluene	12.996	91	1026712	50.978	ug/l	99
83) tert-Butylbenzene	13.214	119	1061660	50.898	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1183645	50.491	ug/l	100
85) sec-Butylbenzene	13.390	105	1586685	50.654	ug/l	98
86) p-Isopropyltoluene	13.502	119	1303660	50.577	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	647514	49.567	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	642997	49.637	ug/l	98
89) n-Butylbenzene	13.832	91	1253059	51.002	ug/l	98
90) Hexachloroethane	14.096	117	248710	49.231	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	562734	49.408	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	38050	48.137	ug/l	83
93) 1,2,4-Trichlorobenzene	15.143	180	369381	48.986	ug/l	99
94) Hexachlorobutadiene	15.249	225	207139	47.224	ug/l	98
95) Naphthalene	15.384	128	677904	52.153	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	322172	49.359	ug/l	99

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

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