

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072744.D
 Acq On : 02 May 2022 12:09
 Operator : VA/SY
 Sample : VSTDICC020
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 08:05:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:04:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	318198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	545336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	522740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	81812	19.807	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.620%#		
35) Dibromofluoromethane	7.908	113	74613	19.481	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.960%#		
50) Toluene-d8	10.332	98	275925	20.084	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	40.160%#		
62) 4-Bromofluorobenzene	12.620	95	100478	19.614	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	39.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	83399	18.967	ug/l	99
3) Chloromethane	2.209	50	87496	19.134	ug/l	93
4) Vinyl Chloride	2.350	62	75079	18.298	ug/l	95
5) Bromomethane	2.750	94	50168	18.220	ug/l	91
6) Chloroethane	2.914	64	48367	18.913	ug/l	99
7) Trichlorofluoromethane	3.267	101	136116	18.944	ug/l	97
8) Diethyl Ether	3.708	74	37934	18.415	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	81427	19.089	ug/l	97
10) Methyl Iodide	4.303	142	78153	18.256	ug/l	98
11) Tert butyl alcohol	5.208	59	44459	122.126	ug/l #	84
12) 1,1-Dichloroethene	4.067	96	72184	18.813	ug/l	93
13) Acrolein	3.926	56	30506	105.377	ug/l	98
14) Allyl chloride	4.708	41	114632	18.505	ug/l	92
15) Acrylonitrile	5.414	53	93493	95.502	ug/l	95
16) Acetone	4.156	43	73091	84.698	ug/l	98
17) Carbon Disulfide	4.408	76	224926	18.644	ug/l	98
18) Methyl Acetate	4.714	43	47088	19.311	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	171375	18.632	ug/l	98
20) Methylene Chloride	4.955	84	119451	18.690	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	85720	19.480	ug/l	90
22) Diisopropyl ether	6.361	45	266954	19.590	ug/l	96
23) Vinyl Acetate	6.302	43	715795	95.089	ug/l	97
24) 1,1-Dichloroethane	6.255	63	155177	18.954	ug/l	98
25) 2-Butanone	7.208	43	108958	90.535	ug/l #	88
26) 2,2-Dichloropropane	7.202	77	129664	18.734	ug/l	95
27) cis-1,2-Dichloroethene	7.202	96	96388	19.125	ug/l	93
28) Bromochloromethane	7.544	49	56356	18.459	ug/l	88
29) Tetrahydrofuran	7.561	42	72101	93.991	ug/l	92
30) Chloroform	7.702	83	164667	19.009	ug/l	98
31) Cyclohexane	7.979	56	134249	18.593	ug/l	85
32) 1,1,1-Trichloroethane	7.902	97	138362	18.741	ug/l	98
36) 1,1-Dichloropropene	8.108	75	119952	19.261	ug/l	97
37) Ethyl Acetate	7.291	43	54210	18.936	ug/l #	91
38) Carbon Tetrachloride	8.091	117	122247	18.910	ug/l	97
39) Methylcyclohexane	9.349	83	131722	18.235	ug/l	94
40) Benzene	8.344	78	341357	18.981	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	33777m	20.652	ug/l	
42) 1,2-Dichloroethane	8.420	62	104406	19.265	ug/l	97
43) Isopropyl Acetate	8.444	43	98676	18.674	ug/l	92
44) Trichloroethene	9.108	130	93112	19.352	ug/l	92
45) 1,2-Dichloropropane	9.379	63	90115	19.080	ug/l	96
46) Dibromomethane	9.467	93	49880	19.146	ug/l	99
47) Bromodichloromethane	9.655	83	130318	19.444	ug/l	94
48) Methyl methacrylate	9.449	41	44589	17.249	ug/l #	80
49) 1,4-Dioxane	9.455	88	10516	358.442	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	258953	94.310	ug/l	94
52) Toluene	10.396	92	213008	18.987	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	118156	19.193	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	141603	19.798	ug/l #	87
55) 1,1,2-Trichloroethane	10.790	97	69473	19.725	ug/l	96
56) Ethyl methacrylate	10.655	69	76327	18.406	ug/l	94
57) 1,3-Dichloropropane	10.938	76	117735	19.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	173713	86.401	ug/l	98
59) 2-Hexanone	10.973	43	173322	93.810	ug/l	98
60) Dibromochloromethane	11.132	129	85608	19.308	ug/l	99
61) 1,2-Dibromoethane	11.238	107	66019	19.258	ug/l	99
64) Tetrachloroethene	10.867	164	76501	20.017	ug/l	98
65) Chlorobenzene	11.661	112	236905	19.594	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	89662	19.733	ug/l	98
67) Ethyl Benzene	11.737	91	409353	19.563	ug/l	99
68) m/p-Xylenes	11.843	106	323246	40.104	ug/l	99
69) o-Xylene	12.173	106	146025	19.399	ug/l	97
70) Styrene	12.185	104	260022	19.937	ug/l	99
71) Bromoform	12.349	173	48013	19.497	ug/l #	97
73) Isopropylbenzene	12.467	105	391645	19.530	ug/l	99
74) N-amyl acetate	12.279	43	93526	18.728	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	79790	19.711	ug/l	95
76) 1,2,3-Trichloropropane	12.773	75	57205m	20.550	ug/l	
77) Bromobenzene	12.749	156	91064	19.123	ug/l	98
78) n-propylbenzene	12.808	91	491616	19.452	ug/l	99
79) 2-Chlorotoluene	12.896	91	291294	19.730	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	338806	19.925	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	24341	19.476	ug/l	93
82) 4-Chlorotoluene	12.990	91	304589	19.745	ug/l	98
83) tert-Butylbenzene	13.214	119	275429	19.053	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	337120	19.835	ug/l	99
85) sec-Butylbenzene	13.390	105	427963	19.628	ug/l	100
86) p-Isopropyltoluene	13.502	119	346452	19.380	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	186951	19.489	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	186636	19.537	ug/l	99
89) n-Butylbenzene	13.826	91	331551	19.146	ug/l	100
90) Hexachloroethane	14.096	117	70706	19.307	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	166427	19.907	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.484	75	11956	18.632	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	93371	18.858	ug/l	99
94) Hexachlorobutadiene	15.249	225	52564	19.439	ug/l	98
95) Naphthalene	15.384	128	167351	18.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	82985	18.907	ug/l	98

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

