

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073317.D
 Acq On : 24 May 2022 11:06
 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 :Krupa Patel 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

Quant Time: May 24 16:43:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	357734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	586202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	548492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	267478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203068	51.365	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.720%			
35) Dibromofluoromethane	7.908	113	211628	54.710	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.420%			
50) Toluene-d8	10.332	98	787068	55.198	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.400%			
62) 4-Bromofluorobenzene	12.620	95	282920	56.538	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	158202	44.257	ug/l	97
3) Chloromethane	2.208	50	167583	41.460	ug/l	97
4) Vinyl Chloride	2.350	62	168205	45.509	ug/l	96
5) Bromomethane	2.761	94	118977	50.231	ug/l	94
6) Chloroethane	2.920	64	108551	47.775	ug/l	95
7) Trichlorofluoromethane	3.273	101	320810	49.088	ug/l	93
8) Diethyl Ether	3.708	74	91283	50.830	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	192263	49.305	ug/l	96
10) Methyl Iodide	4.297	142	206901	49.179	ug/l	98
11) Tert butyl alcohol	5.197	59	98818	161.104	ug/l #	84
12) 1,1-Dichloroethene	4.061	96	179502	49.929	ug/l	89
13) Acrolein	3.926	56	55444	227.277	ug/l	97
14) Allyl chloride	4.708	41	290377	50.038	ug/l	90
15) Acrylonitrile	5.414	53	226978	276.399	ug/l	98
16) Acetone	4.149	43	206320	301.293	ug/l #	86
17) Carbon Disulfide	4.408	76	491175	41.213	ug/l	97
18) Methyl Acetate	4.714	43	100463	52.759	ug/l	91
19) Methyl tert-butyl Ether	5.473	73	444183	54.233	ug/l	100
20) Methylene Chloride	4.961	84	233807	54.162	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	213553	49.128	ug/l	93
22) Diisopropyl ether	6.361	45	651392	53.546	ug/l #	90
23) Vinyl Acetate	6.296	43	1776021	273.703	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	387178	49.584	ug/l	99
25) 2-Butanone	7.202	43	280396	279.875	ug/l #	89
26) 2,2-Dichloropropane	7.202	77	337892	50.741	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	246065	51.159	ug/l	91
28) Bromochloromethane	7.538	49	131108	48.737	ug/l #	80
29) Tetrahydrofuran	7.555	42	179170	276.574	ug/l	92
30) Chloroform	7.702	83	413285	50.697	ug/l	98
31) Cyclohexane	7.979	56	317472	45.952	ug/l	89
32) 1,1,1-Trichloroethane	7.896	97	359217	50.382	ug/l	96
36) 1,1-Dichloropropene	8.108	75	300180	51.598	ug/l	96
37) Ethyl Acetate	7.291	43	126664	55.121	ug/l #	96
38) Carbon Tetrachloride	8.090	117	314094	53.262	ug/l	97
39) Methylcyclohexane	9.349	83	341911	52.736	ug/l	97
40) Benzene	8.343	78	871365	51.971	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	73610	54.980	ug/l	89
42) 1,2-Dichloroethane	8.420	62	244667	52.445	ug/l	94
43) Isopropyl Acetate	8.443	43	240658	56.660	ug/l #	94
44) Trichloroethene	9.108	130	234650	52.482	ug/l	94
45) 1,2-Dichloropropane	9.379	63	224296	53.120	ug/l	95
46) Dibromomethane	9.467	93	121672	52.467	ug/l	96
47) Bromodichloromethane	9.655	83	313449	52.825	ug/l	97
48) Methyl methacrylate	9.449	41	120781	56.521	ug/l #	89
49) 1,4-Dioxane	9.449	88	26736	1116.382	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	656527	297.606	ug/l	94
52) Toluene	10.396	92	577415	54.499	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	295424	55.110	ug/l	100
54) cis-1,3-Dichloropropene	10.084	75	351590	54.807	ug/l #	89
55) 1,1,2-Trichloroethane	10.790	97	170464	54.358	ug/l	98
56) Ethyl methacrylate	10.649	69	207481	59.507	ug/l #	86
57) 1,3-Dichloropropane	10.937	76	289310	54.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	455830	272.993	ug/l	95
59) 2-Hexanone	10.973	43	460115	316.361	ug/l	94
60) Dibromochloromethane	11.131	129	213056	54.486	ug/l	100
61) 1,2-Dibromoethane	11.237	107	161346	53.843	ug/l	98
64) Tetrachloroethene	10.867	164	193404	53.836	ug/l	98
65) Chlorobenzene	11.661	112	607521	53.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	227110	54.422	ug/l	98
67) Ethyl Benzene	11.737	91	1109430	56.166	ug/l	99
68) m/p-Xylenes	11.843	106	858612	111.882	ug/l	99
69) o-Xylene	12.167	106	395220	56.060	ug/l	98
70) Styrene	12.184	104	701634	57.846	ug/l	96
71) Bromoform	12.349	173	124267	57.859	ug/l #	99
73) Isopropylbenzene	12.467	105	1080979	56.690	ug/l	99
74) N-amyl acetate	12.278	43	240382	57.787	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	196468	55.866	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	166756m	63.540	ug/l	
77) Bromobenzene	12.749	156	241606	53.825	ug/l	94
78) n-propylbenzene	12.808	91	1353326	56.533	ug/l	99
79) 2-Chlorotoluene	12.896	91	757157	54.779	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	907791	56.200	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	63914	58.465	ug/l	86
82) 4-Chlorotoluene	12.990	91	802878	55.418	ug/l	99
83) tert-Butylbenzene	13.208	119	780845	57.358	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	901484	56.493	ug/l	98
85) sec-Butylbenzene	13.390	105	1184172	56.968	ug/l	99
86) p-Isopropyltoluene	13.502	119	975899	57.594	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	493616	54.557	ug/l	100
88) 1,4-Dichlorobenzene	13.578	146	490313	53.685	ug/l	99
89) n-Butylbenzene	13.825	91	947545	58.690	ug/l	99
90) Hexachloroethane	14.096	117	193114	55.080	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	429477	54.862	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	29901	55.520	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	260682	58.655	ug/l	100
94) Hexachlorobutadiene	15.249	225	139792	55.818	ug/l	98
95) Naphthalene	15.384	128	481224	54.625	ug/l	100
96) 1,2,3-Trichlorobenzene	15.578	180	229943	58.361	ug/l	99

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

