

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073273.D
 Acq On : 23 May 2022 09:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 24 03:24:30 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	364349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	581929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	559934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	276844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	197774	49.117	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.240%		
35) Dibromofluoromethane	7.908	113	207695	54.088	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	108.180%		
50) Toluene-d8	10.332	98	773716	54.660	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	109.320%		
62) 4-Bromofluorobenzene	12.620	95	270525	54.458	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	159611	43.841	ug/l	99
3) Chloromethane	2.209	50	165719	40.255	ug/l	94
4) Vinyl Chloride	2.344	62	165317	43.916	ug/l	100
5) Bromomethane	2.762	94	118971	49.236	ug/l	86
6) Chloroethane	2.920	64	104969	45.360	ug/l	95
7) Trichlorofluoromethane	3.267	101	318260	47.813	ug/l	94
8) Diethyl Ether	3.709	74	87369	47.767	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	194990	49.097	ug/l	96
10) Methyl Iodide	4.297	142	192906	45.020	ug/l	98
11) Tert butyl alcohol	5.214	59	57006	91.250	ug/l	97
12) 1,1-Dichloroethene	4.062	96	172517	47.115	ug/l	93
13) Acrolein	3.926	56	56255	226.342	ug/l	99
14) Allyl chloride	4.714	41	273740	46.315	ug/l	91
15) Acrylonitrile	5.414	53	213222	254.934	ug/l	97
16) Acetone	4.156	43	187850	269.341	ug/l	95
17) Carbon Disulfide	4.403	76	502143	41.368	ug/l	100
18) Methyl Acetate	4.714	43	96363	49.687	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	420651	50.428	ug/l	99
20) Methylene Chloride	4.962	84	205356	46.110	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	205930	46.515	ug/l	92
22) Diisopropyl ether	6.361	45	617009	49.799	ug/l	92
23) Vinyl Acetate	6.297	43	1678896	254.038	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	372791	46.875	ug/l	99
25) 2-Butanone	7.208	43	263869	258.597	ug/l	91
26) 2,2-Dichloropropane	7.203	77	323194	47.653	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	235467	48.067	ug/l	91
28) Bromochloromethane	7.544	49	130975	47.803	ug/l #	81
29) Tetrahydrofuran	7.556	42	168532	255.429	ug/l	91
30) Chloroform	7.703	83	404237	48.687	ug/l	100
31) Cyclohexane	7.979	56	320876	45.602	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	353379	48.663	ug/l	96
36) 1,1-Dichloropropene	8.108	75	294806	51.047	ug/l	97
37) Ethyl Acetate	7.285	43	119454	52.365	ug/l #	95
38) Carbon Tetrachloride	8.091	117	304312	51.982	ug/l	99
39) Methylcyclohexane	9.350	83	336495	52.281	ug/l	97
40) Benzene	8.344	78	843147	50.657	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	71025	53.439	ug/l #	91
42) 1,2-Dichloroethane	8.414	62	235450	50.840	ug/l	95
43) Isopropyl Acetate	8.444	43	226453	53.707	ug/l #	94
44) Trichloroethene	9.108	130	230399	51.910	ug/l	91
45) 1,2-Dichloropropane	9.379	63	219191	52.292	ug/l	96
46) Dibromomethane	9.467	93	117391	50.992	ug/l	97
47) Bromodichloromethane	9.655	83	307164	52.146	ug/l	98
48) Methyl methacrylate	9.450	41	114524	53.986	ug/l	90
49) 1,4-Dioxane	9.455	88	26161	1100.393	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	607752	277.519	ug/l	94
52) Toluene	10.397	92	558478	53.098	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	282260	53.041	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	332150	52.157	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	165235	53.077	ug/l	97
56) Ethyl methacrylate	10.649	69	190991	55.179	ug/l	88
57) 1,3-Dichloropropane	10.938	76	275577	52.757	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	430240	260.623	ug/l	96
59) 2-Hexanone	10.973	43	434445	300.904	ug/l	94
60) Dibromochloromethane	11.132	129	205489	52.937	ug/l	99
61) 1,2-Dibromoethane	11.238	107	157393	52.909	ug/l	100
64) Tetrachloroethene	10.867	164	181431	49.471	ug/l	94
65) Chlorobenzene	11.661	112	583183	50.769	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	221147	51.911	ug/l	99
67) Ethyl Benzene	11.732	91	1062504	52.691	ug/l	99
68) m/p-Xylenes	11.844	106	839818	107.197	ug/l	98
69) o-Xylene	12.173	106	383102	53.230	ug/l	97
70) Styrene	12.185	104	670569	54.155	ug/l	98
71) Bromoform	12.349	173	118054	53.843	ug/l #	99
73) Isopropylbenzene	12.467	105	1038181	52.603	ug/l	99
74) N-amyl acetate	12.279	43	223284	51.861	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	190314	52.285	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	129251m	47.583	ug/l	
77) Bromobenzene	12.749	156	235934	50.784	ug/l	92
78) n-propylbenzene	12.808	91	1305087	52.673	ug/l	99
79) 2-Chlorotoluene	12.896	91	732262	51.186	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	886541	53.028	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	60035	53.059	ug/l	89
82) 4-Chlorotoluene	12.991	91	776902	51.811	ug/l	99
83) tert-Butylbenzene	13.208	119	757768	53.780	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	871736	52.781	ug/l	99
85) sec-Butylbenzene	13.385	105	1137818	52.886	ug/l	100
86) p-Isopropyltoluene	13.502	119	945863	53.933	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	478100	51.055	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	472324	49.966	ug/l	99
89) n-Butylbenzene	13.826	91	895315	53.579	ug/l	99
90) Hexachloroethane	14.096	117	188771	52.019	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	417862	51.573	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	27889	50.033	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	245874	53.451	ug/l	100
94) Hexachlorobutadiene	15.249	225	134520	51.896	ug/l	98
95) Naphthalene	15.379	128	442911	48.968	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	215718	52.898	ug/l	99

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

