

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073225.D
 Acq On : 21 May 2022 12:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 22 00:02:44 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	338343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	564787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	543686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	267726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	185499	49.610	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.220%		
35) Dibromofluoromethane	7.908	113	194894	52.295	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.580%		
50) Toluene-d8	10.332	98	738245	53.737	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.480%		
62) 4-Bromofluorobenzene	12.620	95	260556	54.043	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.080%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	142957	42.285	ug/l	98
3) Chloromethane	2.209	50	163417	42.747	ug/l	98
4) Vinyl Chloride	2.344	62	150558	43.069	ug/l	100
5) Bromomethane	2.762	94	108297	48.177	ug/l	98
6) Chloroethane	2.915	64	98681	45.920	ug/l	96
7) Trichlorofluoromethane	3.267	101	288103	46.609	ug/l	98
8) Diethyl Ether	3.709	74	82551	48.602	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	174925	47.430	ug/l	96
10) Methyl Iodide	4.297	142	177360	44.573	ug/l	99
11) Tert butyl alcohol	5.220	59	54481	93.911	ug/l	99
12) 1,1-Dichloroethene	4.062	96	161754	47.571	ug/l	88
13) Acrolein	3.920	56	63607	279.751	ug/l	96
14) Allyl chloride	4.714	41	254861	46.435	ug/l	93
15) Acrylonitrile	5.420	53	198330	255.355	ug/l	98
16) Acetone	4.156	43	154435	238.450	ug/l	91
17) Carbon Disulfide	4.409	76	493271	43.761	ug/l	98
18) Methyl Acetate	4.720	43	88196	48.972	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	396820	51.227	ug/l	98
20) Methylene Chloride	4.961	84	206811	50.373	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	199979	48.642	ug/l	89
22) Diisopropyl ether	6.361	45	595330	51.743	ug/l	93
23) Vinyl Acetate	6.303	43	1582265	257.819	ug/l #	93
24) 1,1-Dichloroethane	6.261	63	355365	48.118	ug/l	99
25) 2-Butanone	7.208	43	239283	252.527	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	296430	47.066	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	224485	49.347	ug/l	91
28) Bromochloromethane	7.538	49	124569	48.960	ug/l #	81
29) Tetrahydrofuran	7.555	42	154767	252.596	ug/l	90
30) Chloroform	7.703	83	382134	49.562	ug/l	100
31) Cyclohexane	7.979	56	299273	45.801	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	328850	48.766	ug/l	97
36) 1,1-Dichloropropene	8.108	75	276806	49.385	ug/l	96
37) Ethyl Acetate	7.285	43	109903	49.640	ug/l #	92
38) Carbon Tetrachloride	8.091	117	278513	49.019	ug/l	99
39) Methylcyclohexane	9.349	83	308753	49.427	ug/l	98
40) Benzene	8.344	78	811397	50.229	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	62662	48.578	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	227041	50.512	ug/l	96
43) Isopropyl Acetate	8.450	43	209350	51.158	ug/l #	92
44) Trichloroethene	9.108	130	213140	49.479	ug/l	94
45) 1,2-Dichloropropane	9.379	63	210061	51.635	ug/l	100
46) Dibromomethane	9.467	93	114045	51.042	ug/l	98
47) Bromodichloromethane	9.655	83	289779	50.688	ug/l	99
48) Methyl methacrylate	9.449	41	108288	52.596	ug/l #	87
49) 1,4-Dioxane	9.455	88	25067	1086.379	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	569837	268.104	ug/l	94
52) Toluene	10.396	92	533311	52.244	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	264106	51.136	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	312479	50.558	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	156956	51.948	ug/l	97
56) Ethyl methacrylate	10.655	69	184845	55.025	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	264220	52.118	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	382892	240.777	ug/l	96
59) 2-Hexanone	10.973	43	383438	273.636	ug/l	93
60) Dibromochloromethane	11.132	129	200278	53.160	ug/l	98
61) 1,2-Dibromoethane	11.238	107	150136	52.001	ug/l	99
64) Tetrachloroethene	10.867	164	174451	48.989	ug/l	94
65) Chlorobenzene	11.661	112	561739	50.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	215441	52.083	ug/l	98
67) Ethyl Benzene	11.732	91	1022698	52.232	ug/l	100
68) m/p-Xylenes	11.843	106	800252	105.199	ug/l	98
69) o-Xylene	12.173	106	371072	53.100	ug/l	96
70) Styrene	12.185	104	649305	54.005	ug/l	97
71) Bromoform	12.349	173	110783	52.037	ug/l #	97
73) Isopropylbenzene	12.467	105	986738	51.700	ug/l	100
74) N-amyl acetate	12.279	43	213103	51.182	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	177127	50.319	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	124559m	47.418	ug/l	
77) Bromobenzene	12.749	156	227078	50.542	ug/l	93
78) n-propylbenzene	12.808	91	1235411	51.559	ug/l	99
79) 2-Chlorotoluene	12.896	91	702194	50.756	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	846573	52.362	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	55998	51.177	ug/l	87
82) 4-Chlorotoluene	12.990	91	743579	51.278	ug/l	100
83) tert-Butylbenzene	13.208	119	720023	52.841	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	843819	52.831	ug/l	99
85) sec-Butylbenzene	13.385	105	1075350	51.685	ug/l	99
86) p-Isopropyltoluene	13.502	119	889565	52.450	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	455461	50.294	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	453408	49.598	ug/l	99
89) n-Butylbenzene	13.826	91	851088	52.667	ug/l	99
90) Hexachloroethane	14.096	117	178019	50.727	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	395126	50.428	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	26509	49.176	ug/l	86
93) 1,2,4-Trichlorobenzene	15.143	180	235844	53.017	ug/l	99
94) Hexachlorobutadiene	15.249	225	124026	49.477	ug/l	98
95) Naphthalene	15.384	128	423278	48.432	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	209104	53.023	ug/l	98

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

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