

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072842.D
 Acq On : 06 May 2022 07:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2022
 Supervised By :Semsettin Yesilyurt 05/06/2022

Quant Time: May 06 09:57:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	326225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	609197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	581168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	258481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	230546	54.443	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.880%			
35) Dibromofluoromethane	7.908	113	203574	47.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.160%			
50) Toluene-d8	10.332	98	718615	46.824	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.640%			
62) 4-Bromofluorobenzene	12.620	95	268781	46.969	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	201542	44.708	ug/l	99
3) Chloromethane	2.209	50	256263	54.662	ug/l	97
4) Vinyl Chloride	2.344	62	234194	55.671	ug/l	98
5) Bromomethane	2.762	94	152103	59.061	ug/l	91
6) Chloroethane	2.915	64	148839	56.769	ug/l	99
7) Trichlorofluoromethane	3.267	101	369405	50.147	ug/l	97
8) Diethyl Ether	3.709	74	118364	56.047	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	212528	48.596	ug/l	99
10) Methyl Iodide	4.297	142	224145	51.070	ug/l	100
11) Tert butyl alcohol	5.220	59	102808	280.601	ug/l	96
12) 1,1-Dichloroethene	4.062	96	205208	52.167	ug/l	96
13) Acrolein	3.920	56	55582	216.303	ug/l	98
14) Allyl chloride	4.709	41	379687	59.786	ug/l	98
15) Acrylonitrile	5.420	53	277573	276.560	ug/l	98
16) Acetone	4.150	43	213642	270.698	ug/l	94
17) Carbon Disulfide	4.403	76	618392	49.997	ug/l	99
18) Methyl Acetate	4.709	43	130324	56.589	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	573046	60.767	ug/l	95
20) Methylene Chloride	4.962	84	289029	58.079	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	250235	55.467	ug/l	97
22) Diisopropyl ether	6.361	45	847192	60.641	ug/l	95
23) Vinyl Acetate	6.303	43	2350582	304.577	ug/l	96
24) 1,1-Dichloroethane	6.261	63	481384	57.352	ug/l	98
25) 2-Butanone	7.208	43	344597	279.287	ug/l	96
26) 2,2-Dichloropropane	7.203	77	351345	49.514	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	291484	56.412	ug/l	96
28) Bromochloromethane	7.538	49	187674	59.959	ug/l	91
29) Tetrahydrofuran	7.556	42	226753	288.322	ug/l	97
30) Chloroform	7.703	83	502398	56.568	ug/l	99
31) Cyclohexane	7.979	56	360334	48.677	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	430222	56.838	ug/l	98
36) 1,1-Dichloropropene	8.108	75	351057	50.462	ug/l	98
37) Ethyl Acetate	7.291	43	168395	52.655	ug/l	99
38) Carbon Tetrachloride	8.091	117	354916	49.146	ug/l	99
39) Methylcyclohexane	9.350	83	380066	47.099	ug/l	99
40) Benzene	8.344	78	1030389	51.288	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	100858	52.964	ug/l	95
42) 1,2-Dichloroethane	8.420	62	322344	53.244	ug/l	99
43) Isopropyl Acetate	8.444	43	320278	54.259	ug/l	97
44) Trichloroethene	9.108	130	263593	49.042	ug/l	99
45) 1,2-Dichloropropane	9.379	63	271481	51.455	ug/l	93
46) Dibromomethane	9.467	93	145059	49.842	ug/l	99
47) Bromodichloromethane	9.655	83	387029	51.693	ug/l	98
48) Methyl methacrylate	9.450	41	169054	58.542	ug/l	93
49) 1,4-Dioxane	9.455	88	31455	959.763	ug/l #	93
51) 4-Methyl-2-Pentanone	10.220	43	830124	270.637	ug/l	97
52) Toluene	10.397	92	653377	52.135	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	341785	49.699	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	399043	49.944	ug/l	97
55) 1,1,2-Trichloroethane	10.791	97	202626	51.500	ug/l	98
56) Ethyl methacrylate	10.655	69	263123	56.800	ug/l	94
57) 1,3-Dichloropropane	10.938	76	346189	51.274	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	623343	277.535	ug/l	99
59) 2-Hexanone	10.973	43	573875	278.049	ug/l	100
60) Dibromochloromethane	11.132	129	242904	49.043	ug/l	99
61) 1,2-Dibromoethane	11.238	107	188937	49.337	ug/l	97
64) Tetrachloroethene	10.867	164	196591	46.267	ug/l	87
65) Chlorobenzene	11.661	112	683126	50.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	260321	51.531	ug/l	99
67) Ethyl Benzene	11.738	91	1256041	53.993	ug/l	100
68) m/p-Xylenes	11.844	106	946978	105.678	ug/l	99
69) o-Xylene	12.167	106	452197	54.032	ug/l	100
70) Styrene	12.185	104	781534	53.899	ug/l	100
71) Bromoform	12.349	173	131541	48.045	ug/l #	98
73) Isopropylbenzene	12.467	105	1205262	59.932	ug/l	99
74) N-amyl acetate	12.279	43	323643	64.623	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	222235	54.744	ug/l	96
76) 1,2,3-Trichloropropane	12.773	75	156512m	54.302	ug/l	
77) Bromobenzene	12.749	156	262740	55.018	ug/l	98
78) n-propylbenzene	12.808	91	1441759	56.883	ug/l	99
79) 2-Chlorotoluene	12.896	91	849988	57.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1002255	58.775	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	60987	48.659	ug/l	98
82) 4-Chlorotoluene	12.991	91	868305	56.129	ug/l	98
83) tert-Butylbenzene	13.208	119	867250	59.821	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	972303	57.043	ug/l	99
85) sec-Butylbenzene	13.385	105	1245533	56.963	ug/l	99
86) p-Isopropyltoluene	13.502	119	1010521	56.367	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	512240	53.246	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	501461	52.343	ug/l	99
89) n-Butylbenzene	13.826	91	943477	54.327	ug/l	99
90) Hexachloroethane	14.096	117	203053	55.288	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	447606	53.387	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	35190	54.684	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	264068	53.182	ug/l	98
94) Hexachlorobutadiene	15.249	225	126734	46.735	ug/l	97
95) Naphthalene	15.379	128	537959	58.927	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	227573	51.703	ug/l	97

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

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