

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073132.D
 Acq On : 19 May 2022 08:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/24/2022

Quant Time: May 19 08:41:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	154241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	284178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	306150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	163665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	139046	72.086	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.180%			
35) Dibromofluoromethane	7.908	113	122072	61.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.360%			
50) Toluene-d8	10.332	98	423978	58.574	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.140%			
62) 4-Bromofluorobenzene	12.620	95	159708	60.918	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 121.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	68769	35.655	ug/l	97
3) Chloromethane	2.209	50	89990	45.259	ug/l	93
4) Vinyl Chloride	2.350	62	76056	41.591	ug/l	99
5) Bromomethane	2.762	94	64171	49.407	ug/l	92
6) Chloroethane	2.920	64	52883	46.439	ug/l	97
7) Trichlorofluoromethane	3.273	101	132170	39.496	ug/l	96
8) Diethyl Ether	3.703	74	58948	64.376	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	72486	36.578	ug/l	97
10) Methyl Iodide	4.303	142	89287	39.681	ug/l	97
11) Tert butyl alcohol	5.203	59	69831	234.053	ug/l #	74
12) 1,1-Dichloroethene	4.061	96	77207	43.084	ug/l	89
13) Acrolein	3.920	56	51604	281.611	ug/l	97
14) Allyl chloride	4.714	41	139018	48.965	ug/l	89
15) Acrylonitrile	5.414	53	182268	415.314	ug/l	98
16) Acetone	4.156	43	131362	376.328	ug/l	96
17) Carbon Disulfide	4.408	76	263149	43.845	ug/l	97
18) Methyl Acetate	4.714	43	83127	78.021	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	285915	68.224	ug/l	98
20) Methylene Chloride	4.956	84	155973	61.565	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	103421	48.518	ug/l	88
22) Diisopropyl ether	6.361	45	367114	60.243	ug/l	92
23) Vinyl Acetate	6.303	43	1196315	363.389	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	196849	51.922	ug/l	97
25) 2-Butanone	7.208	43	217436	411.366	ug/l	95
26) 2,2-Dichloropropane	7.197	77	124354	38.743	ug/l	94
27) cis-1,2-Dichloroethene	7.202	96	127335	54.170	ug/l	89
28) Bromochloromethane	7.538	49	88026	67.781	ug/l #	83
29) Tetrahydrofuran	7.555	42	145444	427.626	ug/l	91
30) Chloroform	7.702	83	220328	54.315	ug/l	100
31) Cyclohexane	7.985	56	121839	35.067	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	158697	45.664	ug/l	96
36) 1,1-Dichloropropene	8.108	75	127385	39.183	ug/l	96
37) Ethyl Acetate	7.291	43	100618	73.694	ug/l #	93
38) Carbon Tetrachloride	8.091	117	130735	39.305	ug/l	97
39) Methylcyclohexane	9.349	83	119785	31.598	ug/l	99
40) Benzene	8.344	78	440002	47.333	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	50020	64.969	ug/l #	81
42) 1,2-Dichloroethane	8.414	62	156678	57.905	ug/l	96
43) Isopropyl Acetate	8.444	43	179299	70.633	ug/l	97
44) Trichloroethene	9.108	130	106121	42.205	ug/l	94
45) 1,2-Dichloropropane	9.379	63	121463	50.315	ug/l	96
46) Dibromomethane	9.467	93	82739	61.983	ug/l	97
47) Bromodichloromethane	9.655	83	180967	53.377	ug/l #	98
48) Methyl methacrylate	9.449	41	87861	69.779	ug/l #	86
49) 1,4-Dioxane	9.449	88	21596	1553.950	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	518483	391.389	ug/l	94
52) Toluene	10.396	92	274062	46.437	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	173745	56.190	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	191225	52.453	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	114578	62.886	ug/l	97
56) Ethyl methacrylate	10.649	69	138829	67.374	ug/l	86
57) 1,3-Dichloropropane	10.938	76	192486	62.088	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	390378	346.079	ug/l	96
59) 2-Hexanone	10.973	43	352456	402.758	ug/l	94
60) Dibromochloromethane	11.132	129	137543	60.762	ug/l	100
61) 1,2-Dibromoethane	11.238	107	113843	64.933	ug/l	97
64) Tetrachloroethene	10.867	164	81131	36.171	ug/l	94
65) Chlorobenzene	11.661	112	300299	43.260	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	125480	47.320	ug/l	98
67) Ethyl Benzene	11.738	91	477336	39.493	ug/l	100
68) m/p-Xylenes	11.843	106	386069	82.416	ug/l	99
69) o-Xylene	12.173	106	181449	42.003	ug/l	99
70) Styrene	12.185	104	351853	46.632	ug/l	96
71) Bromoform	12.349	173	85703	61.386	ug/l #	99
73) Isopropylbenzene	12.467	105	438985	35.386	ug/l	99
74) N-amyl acetate	12.279	43	163859	56.519	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	140340	57.382	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	100659m	54.407	ug/l	
77) Bromobenzene	12.749	156	130455	44.073	ug/l	97
78) n-propylbenzene	12.808	91	554736	35.608	ug/l	99
79) 2-Chlorotoluene	12.896	91	350744	38.647	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	391296	37.024	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	40682	52.724	ug/l	90
82) 4-Chlorotoluene	12.990	91	381913	39.761	ug/l	98
83) tert-Butylbenzene	13.208	119	298538	33.349	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	407959	38.799	ug/l	99
85) sec-Butylbenzene	13.390	105	459732	33.833	ug/l	99
86) p-Isopropyltoluene	13.502	119	385442	34.873	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	246470	40.513	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	246544	41.009	ug/l	98
89) n-Butylbenzene	13.826	91	353241	32.863	ug/l	99
90) Hexachloroethane	14.096	117	84022	36.585	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	236383	44.798	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	24624	64.774	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	123676	41.079	ug/l	99
94) Hexachlorobutadiene	15.249	225	53566	31.875	ug/l	98
95) Naphthalene	15.384	128	304505	47.946	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	120283	45.000	ug/l	99

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

