

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061022\
 Data File : VD073521.D
 Acq On : 10 Jun 2022 11:09
 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 : John Carlone 06/11/2022
 Supervised By : Mahesh Dadoda 06/13/2022

Quant Time: Jun 10 23:04:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	382778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	632962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	594877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	287004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	196862	47.925	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.840%		
35) Dibromofluoromethane	7.902	113	205311	50.443	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.880%		
50) Toluene-d8	10.332	98	794023	51.597	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.200%		
62) 4-Bromofluorobenzene	12.620	95	277637	49.697	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	156498	42.872	ug/l	98
3) Chloromethane	2.209	50	176271	47.086	ug/l	99
4) Vinyl Chloride	2.344	62	172050	49.016	ug/l	97
5) Bromomethane	2.762	94	128125	50.918	ug/l	93
6) Chloroethane	2.915	64	109848	49.110	ug/l	98
7) Trichlorofluoromethane	3.267	101	319048	46.387	ug/l	97
8) Diethyl Ether	3.709	74	96183	48.864	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	192647	48.974	ug/l	95
10) Methyl Iodide	4.291	142	229665	48.730	ug/l	96
11) Tert butyl alcohol	5.203	59	111221	163.927	ug/l #	91
12) 1,1-Dichloroethene	4.062	96	185698	49.719	ug/l	89
13) Acrolein	3.914	56	41624	230.071	ug/l	99
14) Allyl chloride	4.709	41	299211	53.812	ug/l #	90
15) Acrylonitrile	5.414	53	223791	253.182	ug/l	97
16) Acetone	4.150	43	184319	254.841	ug/l	90
17) Carbon Disulfide	4.403	76	597422	50.463	ug/l	99
18) Methyl Acetate	4.709	43	98082	48.156	ug/l	92
19) Methyl tert-butyl Ether	5.467	73	463982	52.052	ug/l	100
20) Methylene Chloride	4.956	84	229711	50.735	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	225931	50.005	ug/l	88
22) Diisopropyl ether	6.356	45	646684	53.897	ug/l #	91
23) Vinyl Acetate	6.297	43	1789099	274.859	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	386332	50.230	ug/l	98
25) 2-Butanone	7.203	43	272161	255.738	ug/l #	86
26) 2,2-Dichloropropane	7.203	77	344372	49.941	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	254944	52.198	ug/l	90
28) Bromochloromethane	7.538	49	153298	50.783	ug/l #	77
29) Tetrahydrofuran	7.555	42	176432	259.884	ug/l	89
30) Chloroform	7.697	83	408681	49.735	ug/l	99
31) Cyclohexane	7.979	56	345863	49.982	ug/l	92
32) 1,1,1-Trichloroethane	7.897	97	354837	49.008	ug/l	96
36) 1,1-Dichloropropene	8.102	75	308571	50.477	ug/l	95
37) Ethyl Acetate	7.285	43	125874	50.975	ug/l #	94
38) Carbon Tetrachloride	8.091	117	318691	49.834	ug/l	96
39) Methylcyclohexane	9.349	83	414513	58.187	ug/l	97
40) Benzene	8.344	78	910513	51.205	ug/l	99

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41) Methacrylonitrile	7.514	41	77619	57.979	ug/l	93
42) 1,2-Dichloroethane	8.414	62	241842	49.192	ug/l	94
43) Isopropyl Acetate	8.444	43	242627	51.069	ug/l #	92
44) Trichloroethene	9.102	130	246113	49.694	ug/l	97
45) 1,2-Dichloropropane	9.379	63	225468	51.184	ug/l	97
46) Dibromomethane	9.467	93	124150	50.030	ug/l	93
47) Bromodichloromethane	9.655	83	313125	50.358	ug/l	99
48) Methyl methacrylate	9.449	41	122187	51.920	ug/l #	87
49) 1,4-Dioxane	9.455	88	27617	967.607	ug/l #	90
51) 4-Methyl-2-Pentanone	10.220	43	621638	258.587	ug/l	91
52) Toluene	10.396	92	587417	51.507	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	301580	51.713	ug/l	94
54) cis-1,3-Dichloropropene	10.079	75	360998	52.854	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	176770	49.947	ug/l	96
56) Ethyl methacrylate	10.649	69	217631	53.671	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	291921	50.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	426312	255.710	ug/l	94
59) 2-Hexanone	10.973	43	447207	271.634	ug/l	92
60) Dibromochloromethane	11.132	129	215436	49.320	ug/l	99
61) 1,2-Dibromoethane	11.238	107	169237	50.186	ug/l	100
64) Tetrachloroethene	10.867	164	199529	49.267	ug/l	99
65) Chlorobenzene	11.661	112	628021	51.310	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	235258	50.659	ug/l	98
67) Ethyl Benzene	11.738	91	1124121	52.555	ug/l	98
68) m/p-Xylenes	11.843	106	877493	104.541	ug/l	98
69) o-Xylene	12.167	106	411065	53.222	ug/l	95
70) Styrene	12.185	104	712514	53.482	ug/l	97
71) Bromoform	12.349	173	127021	50.022	ug/l #	100
73) Isopropylbenzene	12.467	105	1074415	54.009	ug/l	98
74) N-amyl acetate	12.279	43	237036	53.561	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	193503	51.239	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	135235m	48.504	ug/l	
77) Bromobenzene	12.749	156	252683	52.010	ug/l	90
78) n-propylbenzene	12.808	91	1326272	53.561	ug/l	98
79) 2-Chlorotoluene	12.896	91	760033	52.804	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	919685	53.603	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	62780	52.851	ug/l	88
82) 4-Chlorotoluene	12.990	91	792822	52.248	ug/l	98
83) tert-Butylbenzene	13.208	119	790332	54.502	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	906290	52.924	ug/l	98
85) sec-Butylbenzene	13.390	105	1157585	53.289	ug/l	98
86) p-Isopropyltoluene	13.502	119	970486	53.594	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	502912	50.695	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	497934	50.738	ug/l	99
89) n-Butylbenzene	13.826	91	903354	52.884	ug/l	99
90) Hexachloroethane	14.096	117	186955	49.855	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	439576	51.374	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	29607	49.089	ug/l	84
93) 1,2,4-Trichlorobenzene	15.143	180	266827	52.076	ug/l	99
94) Hexachlorobutadiene	15.249	225	137364	48.874	ug/l	97
95) Naphthalene	15.384	128	496976	48.113	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	234754	52.471	ug/l	99

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

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