

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061022\
 Data File : VD073535.D
 Acq On : 10 Jun 2022 18:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2022
 Supervised By : Mahesh Dadoda 06/13/2022

Quant Time: Jun 10 23:07:03 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	7.973	168	307954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	508949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	483993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	253626	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	174041	52.664	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.320%			
35) Dibromofluoromethane	7.908	113	170246	52.019	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.040%			
50) Toluene-d8	10.332	98	655928	53.009	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.020%			
62) 4-Bromofluorobenzene	12.620	95	236634	52.679	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	131209	44.677	ug/l	99
3) Chloromethane	2.209	50	135495	44.988	ug/l	93
4) Vinyl Chloride	2.344	62	133345	47.219	ug/l	95
5) Bromomethane	2.750	94	95443	47.146	ug/l	88
6) Chloroethane	2.909	64	86654	48.153	ug/l	100
7) Trichlorofluoromethane	3.262	101	274219	49.556	ug/l	94
8) Diethyl Ether	3.697	74	77953	49.225	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.085	101	154681	48.877	ug/l	95
10) Methyl Iodide	4.291	142	161917	43.219	ug/l	100
11) Tert butyl alcohol	5.226	59	90142m	166.970	ug/l	
12) 1,1-Dichloroethene	4.062	96	148392	49.384	ug/l	87
13) Acrolein	3.920	56	25980	178.492	ug/l	99
14) Allyl chloride	4.709	41	224605	50.209	ug/l #	93
15) Acrylonitrile	5.415	53	184337	259.218	ug/l	98
16) Acetone	4.150	43	134675	231.445	ug/l #	85
17) Carbon Disulfide	4.403	76	468491	49.188	ug/l	98
18) Methyl Acetate	4.709	43	78793	48.087	ug/l #	89
19) Methyl tert-butyl Ether	5.473	73	391577	54.602	ug/l	94
20) Methylene Chloride	4.956	84	192347	52.947	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	183089	50.369	ug/l	87
22) Diisopropyl ether	6.362	45	509705	52.802	ug/l #	91
23) Vinyl Acetate	6.297	43	1436666	274.342	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	307699	49.727	ug/l	99
25) 2-Butanone	7.203	43	215992	252.271	ug/l #	88
26) 2,2-Dichloropropane	7.197	77	273475	49.296	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	207755	52.871	ug/l	89
28) Bromochloromethane	7.538	49	124735	51.361	ug/l #	73
29) Tetrahydrofuran	7.561	42	147003	269.147	ug/l #	87
30) Chloroform	7.703	83	347299	52.534	ug/l	97
31) Cyclohexane	7.979	56	267286	48.012	ug/l	89
32) 1,1,1-Trichloroethane	7.897	97	300793	51.638	ug/l	95
36) 1,1-Dichloropropene	8.103	75	250919	51.047	ug/l	95
37) Ethyl Acetate	7.285	43	104570	52.666	ug/l #	92
38) Carbon Tetrachloride	8.091	117	268310	52.179	ug/l	99
39) Methylcyclohexane	9.350	83	293241	51.193	ug/l	93
40) Benzene	8.344	78	737437	51.576	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	63025	58.549	ug/l #	90
42) 1,2-Dichloroethane	8.414	62	212141	53.665	ug/l	95
43) Isopropyl Acetate	8.444	43	199206	52.146	ug/l #	91
44) Trichloroethene	9.108	130	201961	50.715	ug/l	89
45) 1,2-Dichloropropane	9.379	63	179515	50.682	ug/l	98
46) Dibromomethane	9.467	93	106179	53.214	ug/l	95
47) Bromodichloromethane	9.655	83	262170	52.437	ug/l	99
48) Methyl methacrylate	9.450	41	94490	49.934	ug/l #	77
49) 1,4-Dioxane	9.450	88	24931	1086.340	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	532257	275.356	ug/l	91
52) Toluene	10.391	92	494442	53.918	ug/l	94
53) t-1,3-Dichloropropene	10.614	75	248779	53.053	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	287834	52.411	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	145542	51.143	ug/l	97
56) Ethyl methacrylate	10.650	69	183244	56.202	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	245283	52.918	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	348328	259.843	ug/l	93
59) 2-Hexanone	10.973	43	373497	282.141	ug/l	93
60) Dibromochloromethane	11.132	129	189834	54.048	ug/l	99
61) 1,2-Dibromoethane	11.238	107	140931	51.976	ug/l	95
64) Tetrachloroethene	10.867	164	164683	49.979	ug/l	94
65) Chlorobenzene	11.661	112	525069	52.727	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	200538	53.076	ug/l	99
67) Ethyl Benzene	11.738	91	929869	53.433	ug/l	100
68) m/p-Xylenes	11.844	106	729615	106.838	ug/l	99
69) o-Xylene	12.167	106	342616	54.523	ug/l	95
70) Styrene	12.185	104	604626	55.782	ug/l	97
71) Bromoform	12.344	173	111954	54.189	ug/l #	100
73) Isopropylbenzene	12.467	105	903331	51.385	ug/l	99
74) N-amyl acetate	12.279	43	202249	51.715	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.714	83	167809	50.283	ug/l	100
76) 1,2,3-Trichloropropane	12.767	75	121854m	49.456	ug/l	
77) Bromobenzene	12.749	156	215411	50.174	ug/l	91
78) n-propylbenzene	12.808	91	1107089	50.593	ug/l	97
79) 2-Chlorotoluene	12.896	91	645567	50.754	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	779047	51.382	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	54043	51.483	ug/l	86
82) 4-Chlorotoluene	12.991	91	688037	51.310	ug/l	99
83) tert-Butylbenzene	13.208	119	671812	52.426	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	776644	51.322	ug/l	98
85) sec-Butylbenzene	13.385	105	970657	50.564	ug/l	98
86) p-Isopropyltoluene	13.502	119	823988	51.492	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	436232	49.761	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	438120	50.518	ug/l	99
89) n-Butylbenzene	13.826	91	760359	50.370	ug/l	98
90) Hexachloroethane	14.096	117	164412	49.613	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	388038	51.319	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	27740	52.046	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	231141	51.048	ug/l	99
94) Hexachlorobutadiene	15.249	225	116683	46.979	ug/l	98
95) Naphthalene	15.379	128	455416	49.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	205365	51.943	ug/l	100

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

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