

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073009.D
 Acq On : 14 May 2022 00:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/16/2022
 Supervised By :Mahesh Dadoda 05/16/2022

Quant Time: May 16 05:18:50 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	297935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	514456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	488088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	232853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186917	48.331	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.660%		
35) Dibromofluoromethane	7.908	113	191097	52.890	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.780%		
50) Toluene-d8	10.332	98	698074	53.862	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.720%		
62) 4-Bromofluorobenzene	12.620	95	259260	53.648	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	175268	42.571	ug/l	98
3) Chloromethane	2.209	50	188573	44.042	ug/l	99
4) Vinyl Chloride	2.344	62	177506	46.202	ug/l	99
5) Bromomethane	2.762	94	130478	55.378	ug/l	94
6) Chloroethane	2.915	64	114778	47.935	ug/l	97
7) Trichlorofluoromethane	3.268	101	320803	47.685	ug/l	94
8) Diethyl Ether	3.703	74	97448	50.524	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	192416	48.175	ug/l	97
10) Methyl Iodide	4.291	142	216226	53.944	ug/l	98
11) Tert butyl alcohol	5.220	59	71546	213.817	ug/l	96
12) 1,1-Dichloroethene	4.062	96	180117	50.136	ug/l	93
13) Acrolein	3.926	56	19928	73.896	ug/l	92
14) Allyl chloride	4.715	41	305111	52.605	ug/l	92
15) Acrylonitrile	5.414	53	229867	250.776	ug/l	98
16) Acetone	4.156	43	167669	230.543	ug/l	91
17) Carbon Disulfide	4.403	76	512973	45.412	ug/l	100
18) Methyl Acetate	4.715	43	113911	54.149	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	460390	53.457	ug/l	99
20) Methylene Chloride	4.962	84	248044	54.142	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	217728	52.844	ug/l	97
22) Diisopropyl ether	6.356	45	682337	53.479	ug/l	96
23) Vinyl Acetate	6.303	43	1787174	253.562	ug/l	95
24) 1,1-Dichloroethane	6.261	63	405081	52.844	ug/l	99
25) 2-Butanone	7.203	43	271824	241.225	ug/l	95
26) 2,2-Dichloropropane	7.203	77	297355	45.885	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	251963	53.393	ug/l	92
28) Bromochloromethane	7.544	49	140801	49.255	ug/l #	84
29) Tetrahydrofuran	7.556	42	180370	251.122	ug/l	93
30) Chloroform	7.703	83	426746	52.613	ug/l	99
31) Cyclohexane	7.979	56	314686	46.547	ug/l	93
32) 1,1,1-Trichloroethane	7.903	97	360891	52.206	ug/l	97
36) 1,1-Dichloropropene	8.108	75	300753	51.192	ug/l	98
37) Ethyl Acetate	7.291	43	130935	48.481	ug/l #	96
38) Carbon Tetrachloride	8.091	117	310386	50.895	ug/l	99
39) Methylcyclohexane	9.350	83	329142	48.300	ug/l	100
40) Benzene	8.344	78	892771	52.621	ug/l	99

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41) Methacrylonitrile	7.514	41	77070	47.926	ug/l	92
42) 1,2-Dichloroethane	8.420	62	251482	49.189	ug/l	95
43) Isopropyl Acetate	8.444	43	248283	49.808	ug/l	94
44) Trichloroethene	9.108	130	236420	52.087	ug/l	98
45) 1,2-Dichloropropane	9.379	63	229740	51.562	ug/l	98
46) Dibromomethane	9.467	93	123351	50.188	ug/l	98
47) Bromodichloromethane	9.655	83	325999	51.560	ug/l	99
48) Methyl methacrylate	9.450	41	126811	52.001	ug/l	91
49) 1,4-Dioxane	9.455	88	26697	964.598	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	651491	251.514	ug/l	94
52) Toluene	10.397	92	577313	54.549	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	285631	49.182	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	339278	50.284	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	170079	51.189	ug/l	98
56) Ethyl methacrylate	10.655	69	208372	53.264	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	294145	51.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	470638	248.135	ug/l	95
59) 2-Hexanone	10.973	43	438476	251.570	ug/l	94
60) Dibromochloromethane	11.132	129	216124	51.672	ug/l	99
61) 1,2-Dibromoethane	11.238	107	164793	50.957	ug/l	100
64) Tetrachloroethene	10.867	164	182895	51.253	ug/l	99
65) Chlorobenzene	11.661	112	612782	54.281	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	232213	54.733	ug/l	99
67) Ethyl Benzene	11.738	91	1100362	56.321	ug/l	99
68) m/p-Xylenes	11.844	106	850773	113.047	ug/l	99
69) o-Xylene	12.167	106	403826	57.455	ug/l	95
70) Styrene	12.185	104	704971	57.890	ug/l	97
71) Bromoform	12.349	173	121396	52.796	ug/l #	98
73) Isopropylbenzene	12.467	105	1065464	58.811	ug/l	100
74) N-amyl acetate	12.279	43	234322	51.938	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	195616	53.490	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	136404m	52.535	ug/l	
77) Bromobenzene	12.749	156	246948	57.403	ug/l	92
78) n-propylbenzene	12.808	91	1322813	57.934	ug/l	99
79) 2-Chlorotoluene	12.896	91	761583	57.099	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	894912	58.256	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	58040	51.404	ug/l	90
82) 4-Chlorotoluene	12.991	91	783197	56.199	ug/l	99
83) tert-Butylbenzene	13.208	119	743586	56.936	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	893497	58.189	ug/l	99
85) sec-Butylbenzene	13.391	105	1134449	57.593	ug/l	99
86) p-Isopropyltoluene	13.502	119	935228	57.909	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	484709	55.930	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	480624	55.690	ug/l	99
89) n-Butylbenzene	13.826	91	893078	57.085	ug/l	99
90) Hexachloroethane	14.096	117	186801	56.461	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	423470	56.067	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	29940	51.646	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	253818	56.744	ug/l	98
94) Hexachlorobutadiene	15.249	225	131792	53.949	ug/l	98
95) Naphthalene	15.379	128	475425	57.809	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	223922	56.472	ug/l	98

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

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