

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081022\
 Data File : VD074024.D
 Acq On : 10 Aug 2022 14:03
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD081022

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/11/2022
 Supervised By :Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 15:23:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	155312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	248655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	236855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	127696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	62776	51.471	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.940%			
35) Dibromofluoromethane	7.908	113	73300	44.383	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 88.760%			
50) Toluene-d8	10.332	98	206597	47.540	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.080%			
62) 4-Bromofluorobenzene	12.620	95	101925	50.185	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	65568	48.039	ug/l	98
3) Chloromethane	2.209	50	109027	52.135	ug/l	96
4) Vinyl Chloride	2.344	62	153502	46.436	ug/l	98
5) Bromomethane	2.762	94	103975	45.655	ug/l	93
6) Chloroethane	2.915	64	108367	45.810	ug/l	100
7) Trichlorofluoromethane	3.268	101	143757	45.686	ug/l	97
8) Diethyl Ether	3.709	74	35675	49.331	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.079	101	83446	46.352	ug/l	97
10) Methyl Iodide	4.291	142	86837	46.967	ug/l	98
11) Tert butyl alcohol	5.226	59	22682	286.669	ug/l #	93
12) 1,1-Dichloroethene	4.062	96	74726	48.116	ug/l	95
13) Acrolein	3.915	56	32670	269.600	ug/l	97
14) Allyl chloride	4.703	41	97959	49.073	ug/l	98
15) Acrylonitrile	5.414	53	76409	254.657	ug/l	97
16) Acetone	4.156	43	76921	309.528	ug/l #	86
17) Carbon Disulfide	4.403	76	232200	46.110	ug/l	99
18) Methyl Acetate	4.714	43	38499	55.015	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	183765	53.087	ug/l	100
20) Methylene Chloride	4.950	84	84376	51.040	ug/l	93
21) trans-1,2-Dichloroethene	5.462	96	90008	48.267	ug/l	90
22) Diisopropyl ether	6.356	45	219044	51.019	ug/l #	98
23) Vinyl Acetate	6.297	43	619753	54.820	ug/l	99
24) 1,1-Dichloroethane	6.256	63	147214	47.856	ug/l	99
25) 2-Butanone	7.208	43	106676	274.495	ug/l	99
26) 2,2-Dichloropropane	7.197	77	140718	47.857	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	97254	48.799	ug/l	98
28) Bromochloromethane	7.538	49	59279	49.934	ug/l #	96
29) Tetrahydrofuran	7.556	42	63037	263.471	ug/l	100
30) Chloroform	7.703	83	169126	48.503	ug/l	99
31) Cyclohexane	7.979	56	125610	46.083	ug/l	95
32) 1,1,1-Trichloroethane	7.891	97	156754	47.259	ug/l	96
36) 1,1-Dichloropropene	8.103	75	124068	49.365	ug/l	100
37) Ethyl Acetate	7.291	43	44982	50.290	ug/l #	95
38) Carbon Tetrachloride	8.091	117	137198	48.422	ug/l	98
39) Methylcyclohexane	9.344	83	142977	50.151	ug/l	98
40) Benzene	8.344	78	338370	49.664	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	23646	48.376	ug/l	94
42) 1,2-Dichloroethane	8.420	62	102945	49.017	ug/l	99
43) Isopropyl Acetate	8.450	43	91354	53.431	ug/l	99
44) Trichloroethene	9.102	130	97279	48.533	ug/l	98
45) 1,2-Dichloropropane	9.379	63	81057	49.433	ug/l	97
46) Dibromomethane	9.467	93	53618	50.783	ug/l	98
47) Bromodichloromethane	9.650	83	129847	49.436	ug/l	93
48) Methyl methacrylate	9.450	41	42537	52.149	ug/l	91
49) 1,4-Dioxane	9.455	88	11728	1136.504	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	235825	268.694	ug/l	99
52) Toluene	10.397	92	233053	51.246	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	118933	52.524	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	139001	53.113	ug/l	98
55) 1,1,2-Trichloroethane	10.791	97	69589	51.855	ug/l	95
56) Ethyl methacrylate	10.649	69	77342	54.893	ug/l	98
57) 1,3-Dichloropropane	10.932	76	109207	50.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	170821	290.568	ug/l	100
59) 2-Hexanone	10.973	43	167301	284.325	ug/l	97
60) Dibromochloromethane	11.126	129	90304	49.683	ug/l	96
61) 1,2-Dibromoethane	11.232	107	67613	49.885	ug/l	99
64) Tetrachloroethene	10.867	164	81942	46.183	ug/l	96
65) Chlorobenzene	11.655	112	249659	49.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	95368	49.654	ug/l	98
67) Ethyl Benzene	11.732	91	446806	50.749	ug/l	99
68) m/p-Xylenes	11.844	106	362842	103.170	ug/l	100
69) o-Xylene	12.167	106	167294	51.937	ug/l	98
70) Styrene	12.179	104	294025	53.907	ug/l	99
71) Bromoform	12.349	173	55672	52.669	ug/l #	98
73) Isopropylbenzene	12.467	105	442188	49.805	ug/l	100
74) N-amyl acetate	12.273	43	86719	51.143	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	77980	48.389	ug/l	97
76) 1,2,3-Trichloropropane	12.761	75	49537m	42.489	ug/l	
77) Bromobenzene	12.743	156	104486	49.278	ug/l	97
78) n-propylbenzene	12.808	91	545967	49.660	ug/l	99
79) 2-Chlorotoluene	12.891	91	304879	49.265	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	389903	51.728	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	23684	54.218	ug/l	95
82) 4-Chlorotoluene	12.991	91	320949	49.424	ug/l	100
83) tert-Butylbenzene	13.208	119	326833	51.045	ug/l	100
84) 1,2,4-Trimethylbenzene	13.249	105	380591	50.230	ug/l	99
85) sec-Butylbenzene	13.385	105	494579	50.127	ug/l	100
86) p-Isopropyltoluene	13.496	119	424345	51.373	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	217682	48.906	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	219475	49.025	ug/l	99
89) n-Butylbenzene	13.826	91	389368	50.332	ug/l	100
90) Hexachloroethane	14.090	117	77721	47.574	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	189333	49.532	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.479	75	11723	46.158	ug/l	88
93) 1,2,4-Trichlorobenzene	15.137	180	111146	49.666	ug/l	99
94) Hexachlorobutadiene	15.243	225	59626	46.566	ug/l	95
95) Naphthalene	15.373	128	207923	52.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	98164	49.880	ug/l	97

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

