

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD090922\
 Data File : VD074248.D
 Acq On : 09 Sep 2022 18:51
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD090922

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/12/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Sep 10 05:25:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	117989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.769	114	197573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.569	117	177519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.498	152	82856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	61995	51.537	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.080%			
35) Dibromofluoromethane	7.805	113	64883	49.007	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.020%			
50) Toluene-d8	10.263	98	254063	52.459	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.920%			
62) 4-Bromofluorobenzene	12.557	95	80997	47.547	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	44169	47.876	ug/l	91
3) Chloromethane	2.140	50	38473	43.620	ug/l	94
4) Vinyl Chloride	2.270	62	35769	47.606	ug/l	92
5) Bromomethane	2.675	94	20798	52.564	ug/l	95
6) Chloroethane	2.822	64	20857	46.616	ug/l	94
7) Trichlorofluoromethane	3.164	101	93921	44.928	ug/l	99
8) Diethyl Ether	3.587	74	31270	46.363	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.958	101	61084	45.415	ug/l	100
10) Methyl Iodide	4.152	142	73449	45.822	ug/l	99
11) Tert butyl alcohol	5.069	59	22889	233.307	ug/l	100
12) 1,1-Dichloroethene	3.928	96	59118	45.533	ug/l	96
13) Acrolein	3.793	56	27471	263.434	ug/l	96
14) Allyl chloride	4.552	41	94624	46.960	ug/l	98
15) Acrylonitrile	5.252	53	78228	248.773	ug/l	99
16) Acetone	4.022	43	54931	221.233	ug/l	95
17) Carbon Disulfide	4.258	76	167847	44.814	ug/l	100
18) Methyl Acetate	4.558	43	38165	45.943	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	152245	48.406	ug/l	97
20) Methylene Chloride	4.799	84	75665	50.045	ug/l	97
21) trans-1,2-Dichloroethene	5.305	96	68678	46.889	ug/l	96
22) Diisopropyl ether	6.210	45	204960	47.932	ug/l	99
23) Vinyl Acetate	6.152	43	515972	255.532	ug/l	99
24) 1,1-Dichloroethane	6.099	63	125558	47.533	ug/l	98
25) 2-Butanone	7.075	43	96873	233.929	ug/l	97
26) 2,2-Dichloropropane	7.075	77	101546	44.002	ug/l	99
27) cis-1,2-Dichloroethene	7.075	96	79227	47.340	ug/l	97
28) Bromochloromethane	7.422	49	43416	53.518	ug/l	99
29) Tetrahydrofuran	7.440	42	63289	247.900	ug/l	97
30) Chloroform	7.593	83	123883	47.252	ug/l	89
31) Cyclohexane	7.869	56	108872	43.795	ug/l	97
32) 1,1,1-Trichloroethane	7.787	97	108309	47.083	ug/l	100
36) 1,1-Dichloropropene	8.005	75	95913	44.851	ug/l	99
37) Ethyl Acetate	7.163	43	44978	48.501	ug/l	99
38) Carbon Tetrachloride	7.987	117	89960	46.496	ug/l	96
39) Methylcyclohexane	9.269	83	116756	44.106	ug/l	99
40) Benzene	8.246	78	275650	46.577	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	27351	52.952	ug/l	96
42) 1,2-Dichloroethane	8.316	62	73650	47.091	ug/l	99
43) Isopropyl Acetate	8.357	43	85210	47.570	ug/l	98
44) Trichloroethene	9.016	130	73469	44.724	ug/l	96
45) 1,2-Dichloropropane	9.299	63	70228	45.659	ug/l	100
46) Dibromomethane	9.387	93	38471	48.174	ug/l	95
47) Bromodichloromethane	9.575	83	94625	47.097	ug/l	96
48) Methyl methacrylate	9.375	41	40112	47.412	ug/l	99
49) 1,4-Dioxane	9.375	88	9772	1033.327	ug/l	99
51) 4-Methyl-2-Pentanone	10.151	43	221080	244.195	ug/l	99
52) Toluene	10.328	92	173452	45.693	ug/l	99
53) t-1,3-Dichloropropene	10.546	75	88355	46.653	ug/l	99
54) cis-1,3-Dichloropropene	10.010	75	107913	46.247	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	52006	47.110	ug/l	96
56) Ethyl methacrylate	10.593	69	70984	48.395	ug/l	98
57) 1,3-Dichloropropane	10.869	76	89805	46.095	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.863	63	51850	189.003	ug/l	99
59) 2-Hexanone	10.910	43	150119	244.181	ug/l	100
60) Dibromochloromethane	11.063	129	62939	46.819	ug/l	100
61) 1,2-Dibromoethane	11.169	107	49282	46.904	ug/l	98
64) Tetrachloroethene	10.798	164	60623	44.665	ug/l	93
65) Chlorobenzene	11.598	112	188382	47.204	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.669	131	67345	47.117	ug/l	99
67) Ethyl Benzene	11.675	91	345346	46.327	ug/l	98
68) m/p-Xylenes	11.781	106	260819	92.186	ug/l	99
69) o-Xylene	12.104	106	125090	46.783	ug/l	99
70) Styrene	12.122	104	210496	47.201	ug/l	99
71) Bromoform	12.287	173	38408	48.267	ug/l #	100
73) Isopropylbenzene	12.404	105	327910	46.776	ug/l	98
74) N-amyl acetate	12.222	43	80442	48.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.657	83	62002	48.574	ug/l	99
76) 1,2,3-Trichloropropane	12.710	75	37430m	44.066	ug/l	
77) Bromobenzene	12.687	156	73686	47.899	ug/l	100
78) n-propylbenzene	12.745	91	404585	47.065	ug/l	99
79) 2-Chlorotoluene	12.834	91	218677	47.027	ug/l	100
80) 1,3,5-Trimethylbenzene	12.887	105	269905	46.471	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.457	75	16048	46.583	ug/l #	100
82) 4-Chlorotoluene	12.934	91	224037	47.324	ug/l	99
83) tert-Butylbenzene	13.151	119	238128	46.843	ug/l	99
84) 1,2,4-Trimethylbenzene	13.192	105	264742	46.954	ug/l	100
85) sec-Butylbenzene	13.328	105	359601	46.697	ug/l	99
86) p-Isopropyltoluene	13.445	119	297857	47.355	ug/l	100
87) 1,3-Dichlorobenzene	13.440	146	147625	47.053	ug/l	98
88) 1,4-Dichlorobenzene	13.522	146	145084	47.024	ug/l	99
89) n-Butylbenzene	13.769	91	288351	46.915	ug/l	100
90) Hexachloroethane	14.034	117	54787	47.615	ug/l	99
91) 1,2-Dichlorobenzene	13.816	146	127794	46.836	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.428	75	9463	52.759	ug/l	92
93) 1,2,4-Trichlorobenzene	15.081	180	87694	46.496	ug/l	99
94) Hexachlorobutadiene	15.181	225	49993	46.385	ug/l	99
95) Naphthalene	15.310	128	172795	49.030	ug/l	99
96) 1,2,3-Trichlorobenzene	15.498	180	75605	46.694	ug/l	98

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

