

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051923\
 Data File : VD076149.D
 Acq On : 19 May 2023 10:30
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

Quant Time: May 19 15:17:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	188663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	316890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	306985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	162115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92036	50.475	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.960%			
35) Dibromofluoromethane	7.804	113	104115	47.532	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.060%			
50) Toluene-d8	10.269	98	415046	48.607	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.220%			
62) 4-Bromofluorobenzene	12.575	95	118855	50.109	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	75179	44.183	ug/l	96
3) Chloromethane	2.146	50	146862	52.804	ug/l	94
4) Vinyl Chloride	2.281	62	184208	50.198	ug/l	94
5) Bromomethane	2.687	94	125358	50.741	ug/l	97
6) Chloroethane	2.834	64	129016	52.258	ug/l	96
7) Trichlorofluoromethane	3.169	101	141767	45.579	ug/l	97
8) Diethyl Ether	3.593	74	50407	49.280	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.963	101	94627	46.187	ug/l	94
10) Methyl Iodide	4.163	142	115592	54.262	ug/l	91
11) Tert butyl alcohol	5.063	59	24624	255.294	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	92990	45.604	ug/l	94
13) Acrolein	3.793	56	66952	283.620	ug/l	94
14) Allyl chloride	4.558	41	96172	46.473	ug/l #	80
15) Acrylonitrile	5.258	53	114863	271.212	ug/l	97
16) Acetone	4.016	43	100832	277.939	ug/l #	77
17) Carbon Disulfide	4.269	76	274068	49.639	ug/l	98
18) Methyl Acetate	4.558	43	69523	53.722	ug/l #	80
19) Methyl tert-butyl Ether	5.316	73	214026	53.627	ug/l	99
20) Methylene Chloride	4.793	84	133708	45.695	ug/l #	76
21) trans-1,2-Dichloroethene	5.305	96	114369	48.667	ug/l #	82
22) Diisopropyl ether	6.216	45	257995	53.711	ug/l #	89
23) Vinyl Acetate	6.157	43	500786m	265.153	ug/l	
24) 1,1-Dichloroethane	6.110	63	190326	50.242	ug/l	97
25) 2-Butanone	7.087	43	130007	285.007	ug/l #	79
26) 2,2-Dichloropropane	7.075	77	151262	48.969	ug/l	92
27) cis-1,2-Dichloroethene	7.075	96	131620	50.471	ug/l	85
28) Bromochloromethane	7.428	49	65388	51.766	ug/l #	68
29) Tetrahydrofuran	7.446	42	75669	284.605	ug/l #	67
30) Chloroform	7.593	83	206296	50.924	ug/l	95
31) Cyclohexane	7.875	56	128165	45.895	ug/l #	82
32) 1,1,1-Trichloroethane	7.793	97	155973	48.312	ug/l	97
36) 1,1-Dichloropropene	8.010	75	143780	48.603	ug/l	95
37) Ethyl Acetate	7.169	43	53829	52.548	ug/l #	83
38) Carbon Tetrachloride	7.993	117	123418	46.188	ug/l	95
39) Methylcyclohexane	9.275	83	154495	45.362	ug/l	93
40) Benzene	8.251	78	466692	49.069	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	28010	49.867	ug/l #	68
42) 1,2-Dichloroethane	8.328	62	115660	51.414	ug/l	91
43) Isopropyl Acetate	8.357	43	94823	49.553	ug/l #	83
44) Trichloroethene	9.028	130	118613	44.253	ug/l	91
45) 1,2-Dichloropropane	9.304	63	116367	49.603	ug/l	93
46) Dibromomethane	9.393	93	67308	51.186	ug/l	97
47) Bromodichloromethane	9.581	83	158845	50.262	ug/l	95
48) Methyl methacrylate	9.381	41	41382	48.862	ug/l #	59
49) 1,4-Dioxane	9.387	88	15373	1093.255	ug/l #	76
51) 4-Methyl-2-Pentanone	10.157	43	272005	267.266	ug/l #	82
52) Toluene	10.334	92	300516	50.591	ug/l	96
53) t-1,3-Dichloropropene	10.557	75	147007	51.612	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	179146	51.537	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	99865	52.959	ug/l	93
56) Ethyl methacrylate	10.598	69	101635	53.622	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	153614	51.924	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	245114	269.529	ug/l	93
59) 2-Hexanone	10.922	43	193623	269.770	ug/l	75
60) Dibromochloromethane	11.075	129	108988	51.402	ug/l	99
61) 1,2-Dibromoethane	11.175	107	87939	52.425	ug/l	99
64) Tetrachloroethene	10.810	164	97265	41.203	ug/l	92
65) Chlorobenzene	11.610	112	324694	46.459	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	113025	46.994	ug/l	95
67) Ethyl Benzene	11.687	91	543048	48.628	ug/l	93
68) m/p-Xylenes	11.792	106	451835	98.997	ug/l	91
69) o-Xylene	12.122	106	207745	49.883	ug/l	90
70) Styrene	12.134	104	375545	52.011	ug/l	93
71) Bromoform	12.298	173	63674	47.067	ug/l #	95
73) Isopropylbenzene	12.422	105	508639	47.429	ug/l	97
74) N-amyl acetate	12.234	43	87249	45.676	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.675	83	109329	47.434	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	73137m	51.554	ug/l	
77) Bromobenzene	12.704	156	129612	45.092	ug/l	95
78) n-propylbenzene	12.763	91	636281	47.667	ug/l	98
79) 2-Chlorotoluene	12.851	91	347696	47.064	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	428836	48.237	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.469	75	32719	48.384	ug/l #	76
82) 4-Chlorotoluene	12.945	91	372909	47.455	ug/l	93
83) tert-Butylbenzene	13.169	119	359543	47.854	ug/l	92
84) 1,2,4-Trimethylbenzene	13.210	105	436726	49.327	ug/l	94
85) sec-Butylbenzene	13.345	105	562048	48.001	ug/l	98
86) p-Isopropyltoluene	13.463	119	468765	48.927	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	272696	46.923	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	266629	46.334	ug/l	97
89) n-Butylbenzene	13.786	91	422808	46.828	ug/l	99
90) Hexachloroethane	14.057	117	87994	44.650	ug/l	99
91) 1,2-Dichlorobenzene	13.834	146	239195	46.900	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	14297	47.773	ug/l	88
93) 1,2,4-Trichlorobenzene	15.098	180	126328	42.583	ug/l	94
94) Hexachlorobutadiene	15.204	225	57068	37.729	ug/l	98
95) Naphthalene	15.333	128	255856	46.416	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	113034	41.895	ug/l	98

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

