

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101923\
 Data File : VD077349.D
 Acq On : 19 Oct 2023 11:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Semsettin Yesilyurt 10/20/2023

Quant Time: Oct 20 03:04:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	193030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	322803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	295770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87751	50.910	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.820%			
35) Dibromofluoromethane	7.811	113	102529	45.210	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.420%			
50) Toluene-d8	10.269	98	386841	47.630	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.260%			
62) 4-Bromofluorobenzene	12.575	95	110395	47.219	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	117602	65.532	ug/l	100
3) Chloromethane	2.152	50	207472	56.773	ug/l	100
4) Vinyl Chloride	2.287	62	257402	59.629	ug/l	97
5) Bromomethane	2.699	94	153690	55.403	ug/l	98
6) Chloroethane	2.840	64	172970	56.999	ug/l	99
7) Trichlorofluoromethane	3.181	101	269579	61.561	ug/l	99
8) Diethyl Ether	3.593	74	64844	55.248	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.970	101	108327	47.815	ug/l	97
10) Methyl Iodide	4.170	142	114946	41.465	ug/l	91
11) Tert butyl alcohol	5.052	59	24580	253.504	ug/l	97
12) 1,1-Dichloroethene	3.946	96	102191	45.980	ug/l	96
13) Acrolein	3.793	56	38100	226.361	ug/l	98
14) Allyl chloride	4.564	41	110758	52.522	ug/l	95
15) Acrylonitrile	5.258	53	103407	290.733	ug/l	99
16) Acetone	4.017	43	98446	260.457	ug/l	90
17) Carbon Disulfide	4.270	76	317310	48.567	ug/l	100
18) Methyl Acetate	4.558	43	70613	53.679	ug/l	94
19) Methyl tert-butyl Ether	5.317	73	211929	55.984	ug/l	100
20) Methylene Chloride	4.805	84	125052	55.156	ug/l	97
21) trans-1,2-Dichloroethene	5.311	96	119812	51.830	ug/l	99
22) Diisopropyl ether	6.216	45	254058	61.373	ug/l	97
23) Vinyl Acetate	6.152	43	612257	315.604	ug/l	97
24) 1,1-Dichloroethane	6.117	63	185144	53.793	ug/l	99
25) 2-Butanone	7.081	43	117219	298.964	ug/l	99
26) 2,2-Dichloropropane	7.075	77	162984	51.935	ug/l	98
27) cis-1,2-Dichloroethene	7.081	96	131928	50.899	ug/l	99
28) Bromochloromethane	7.428	49	69561	55.328	ug/l	93
29) Tetrahydrofuran	7.446	42	69642	307.913	ug/l	98
30) Chloroform	7.593	83	204486	51.782	ug/l	95
31) Cyclohexane	7.881	56	148510	55.378	ug/l	96
32) 1,1,1-Trichloroethane	7.793	97	176441	51.791	ug/l	97
36) 1,1-Dichloropropene	8.005	75	155511	52.187	ug/l	98
37) Ethyl Acetate	7.158	43	52888	56.502	ug/l #	91
38) Carbon Tetrachloride	7.993	117	158197	47.723	ug/l	100
39) Methylcyclohexane	9.275	83	183758	50.750	ug/l	99
40) Benzene	8.252	78	453196	50.115	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	23568	52.758	ug/l #	81
42) 1,2-Dichloroethane	8.328	62	108233	50.813	ug/l	98
43) Isopropyl Acetate	8.358	43	96007	56.974	ug/l	95
44) Trichloroethene	9.028	130	120874	45.718	ug/l	93
45) 1,2-Dichloropropane	9.305	63	105737	50.724	ug/l	98
46) Dibromomethane	9.393	93	63632	48.827	ug/l	94
47) Bromodichloromethane	9.587	83	152191	48.975	ug/l	98
48) Methyl methacrylate	9.381	41	44019	57.744	ug/l	90
49) 1,4-Dioxane	9.381	88	13227	1031.975	ug/l	95
51) 4-Methyl-2-Pentanone	10.157	43	250082	296.056	ug/l	97
52) Toluene	10.334	92	296882	50.282	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	141262	50.642	ug/l	100
54) cis-1,3-Dichloropropene	10.016	75	175652	51.467	ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	89690	49.689	ug/l	97
56) Ethyl methacrylate	10.599	69	94009	54.497	ug/l	99
57) 1,3-Dichloropropane	10.881	76	140723	50.753	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	283303	332.097	ug/l	99
59) 2-Hexanone	10.922	43	177339	292.308	ug/l	96
60) Dibromochloromethane	11.075	129	105329	45.700	ug/l	94
61) 1,2-Dibromoethane	11.181	107	81909	48.157	ug/l	100
64) Tetrachloroethene	10.810	164	99438	45.233	ug/l	93
65) Chlorobenzene	11.610	112	306142	47.486	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	113010	46.114	ug/l	98
67) Ethyl Benzene	11.687	91	550232	51.486	ug/l	96
68) m/p-Xylenes	11.793	106	445690	101.559	ug/l	95
69) o-Xylene	12.122	106	201827	49.959	ug/l	97
70) Styrene	12.134	104	353404	51.273	ug/l	98
71) Bromoform	12.299	173	61207	45.561	ug/l #	98
73) Isopropylbenzene	12.422	105	534206	52.550	ug/l	96
74) N-amyl acetate	12.234	43	87539	59.859	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	100190	54.237	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	55935m	28.079	ug/l	
77) Bromobenzene	12.704	156	126406	47.364	ug/l	96
78) n-propylbenzene	12.763	91	655838	53.570	ug/l	96
79) 2-Chlorotoluene	12.851	91	341846	51.264	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	437025	52.096	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	33661	58.688	ug/l	93
82) 4-Chlorotoluene	12.951	91	360779	51.967	ug/l	98
83) tert-Butylbenzene	13.169	119	379917	51.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	442880	52.436	ug/l	97
85) sec-Butylbenzene	13.346	105	590680	52.778	ug/l	96
86) p-Isopropyltoluene	13.463	119	497069	51.124	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	265874	47.338	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	257717	46.304	ug/l	97
89) n-Butylbenzene	13.787	91	469934	55.507	ug/l	97
90) Hexachloroethane	14.057	117	97160	49.436	ug/l	92
91) 1,2-Dichlorobenzene	13.834	146	224524	47.323	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	13357	59.075	ug/l	98
93) 1,2,4-Trichlorobenzene	15.104	180	134428	45.475	ug/l	97
94) Hexachlorobutadiene	15.204	225	69783	41.566	ug/l	99
95) Naphthalene	15.334	128	251211	50.332	ug/l	99
96) 1,2,3-Trichlorobenzene	15.528	180	115841	45.148	ug/l	98

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

