

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110623\
 Data File : VD077512.D
 Acq On : 06 Nov 2023 17:22
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2023
 Supervised By : Mahesh Dadoda 11/07/2023

Quant Time: Nov 07 02:11:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	203386	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	364537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	330031	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	157880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	160885	55.941	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.880%			
35) Dibromofluoromethane	7.810	113	137660	54.637	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.280%			
50) Toluene-d8	10.269	98	555291	56.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.480%			
62) 4-Bromofluorobenzene	12.575	95	181269	54.994	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.980%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	83011	50.618	ug/l	99
3) Chloromethane	2.152	50	167525	64.342	ug/l	96
4) Vinyl Chloride	2.287	62	185730	73.152	ug/l	99
5) Bromomethane	2.693	94	99987	75.154	ug/l	98
6) Chloroethane	2.840	64	132859	77.723	ug/l	99
7) Trichlorofluoromethane	3.175	101	197303	55.492	ug/l	100
8) Diethyl Ether	3.599	74	74696	58.444	ug/l #	56
9) 1,1,2-Trichlorotrifluo...	3.969	101	119621	55.729	ug/l	94
10) Methyl Iodide	4.169	142	139175	51.257	ug/l #	89
11) Tert butyl alcohol	5.058	59	58036	254.750	ug/l	100
12) 1,1-Dichloroethene	3.946	96	117561	57.852	ug/l #	68
13) Acrolein	3.793	56	65473	217.937	ug/l	100
14) Allyl chloride	4.563	41	275471	56.193	ug/l #	83
15) Acrylonitrile	5.258	53	205278	297.116	ug/l	97
16) Acetone	4.022	43	210321	276.368	ug/l #	79
17) Carbon Disulfide	4.275	76	341108	54.087	ug/l	100
18) Methyl Acetate	4.563	43	166591	60.013	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	369571	57.939	ug/l #	90
20) Methylene Chloride	4.805	84	168286	59.270	ug/l #	62
21) trans-1,2-Dichloroethene	5.316	96	137883	58.261	ug/l #	70
22) Diisopropyl ether	6.216	45	593271	56.942	ug/l #	89
23) Vinyl Acetate	6.157	43	1288000m	286.547	ug/l	
24) 1,1-Dichloroethane	6.116	63	306087	56.618	ug/l	94
25) 2-Butanone	7.081	43	280323	276.158	ug/l #	74
26) 2,2-Dichloropropane	7.075	77	259863	54.240	ug/l	89
27) cis-1,2-Dichloroethene	7.081	96	171049	58.339	ug/l	73
28) Bromochloromethane	7.434	49	121172	49.463	ug/l #	55
29) Tetrahydrofuran	7.446	42	172177	285.993	ug/l #	70
30) Chloroform	7.599	83	288223	57.099	ug/l	99
31) Cyclohexane	7.881	56	249952	55.596	ug/l #	80
32) 1,1,1-Trichloroethane	7.793	97	236599	56.889	ug/l	96
36) 1,1-Dichloropropene	8.010	75	213024	57.025	ug/l	93
37) Ethyl Acetate	7.169	43	119390	55.690	ug/l #	88
38) Carbon Tetrachloride	7.993	117	200796	57.042	ug/l	98
39) Methylcyclohexane	9.275	83	240898	56.518	ug/l #	82
40) Benzene	8.252	78	631684	59.301	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	79018	57.604	ug/l #	71
42) 1,2-Dichloroethane	8.328	62	189103	56.050	ug/l	90
43) Isopropyl Acetate	8.363	43	243724	55.090	ug/l #	81
44) Trichloroethene	9.028	130	148198	56.796	ug/l	89
45) 1,2-Dichloropropane	9.304	63	181678	57.932	ug/l	100
46) Dibromomethane	9.393	93	82100	54.399	ug/l	91
47) Bromodichloromethane	9.587	83	222255	55.716	ug/l	96
48) Methyl methacrylate	9.381	41	115999	54.929	ug/l #	66
49) 1,4-Dioxane	9.387	88	18647	1149.846	ug/l #	67
51) 4-Methyl-2-Pentanone	10.157	43	612043	281.065	ug/l #	82
52) Toluene	10.334	92	382490	58.901	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	240198	56.865	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	277221	57.032	ug/l #	80
55) 1,1,2-Trichloroethane	10.734	97	115974	57.597	ug/l	94
56) Ethyl methacrylate	10.598	69	169780	56.711	ug/l #	67
57) 1,3-Dichloropropane	10.881	76	214337	56.950	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	438992	292.900	ug/l #	85
59) 2-Hexanone	10.922	43	431446	268.955	ug/l	80
60) Dibromochloromethane	11.075	129	132820	54.857	ug/l	93
61) 1,2-Dibromoethane	11.181	107	103899	54.488	ug/l	99
64) Tetrachloroethene	10.810	164	114279	54.388	ug/l	91
65) Chlorobenzene	11.610	112	395263	57.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	144098	55.151	ug/l	98
67) Ethyl Benzene	11.687	91	750173	56.389	ug/l	96
68) m/p-Xylenes	11.793	106	548233	114.120	ug/l	81
69) o-Xylene	12.122	106	267321	58.094	ug/l	82
70) Styrene	12.134	104	455929	57.434	ug/l #	92
71) Bromoform	12.298	173	78829	54.420	ug/l #	98
73) Isopropylbenzene	12.422	105	702530	54.578	ug/l	94
74) N-amyl acetate	12.234	43	232409	50.974	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	135735	53.794	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	84480m	43.965	ug/l	
77) Bromobenzene	12.704	156	152091	53.680	ug/l	75
78) n-propylbenzene	12.763	91	883747	54.071	ug/l	92
79) 2-Chlorotoluene	12.851	91	486524	52.574	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	580253	53.723	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.469	75	51723	51.994	ug/l	87
82) 4-Chlorotoluene	12.945	91	503211	52.203	ug/l	90
83) tert-Butylbenzene	13.169	119	492042	54.184	ug/l	90
84) 1,2,4-Trimethylbenzene	13.210	105	584474	54.475	ug/l	92
85) sec-Butylbenzene	13.345	105	754749	54.321	ug/l	94
86) p-Isopropyltoluene	13.463	119	620320	54.927	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	309424	55.558	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	304978	54.809	ug/l	97
89) n-Butylbenzene	13.787	91	632813	53.910	ug/l	97
90) Hexachloroethane	14.057	117	120770	52.258	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	270394	55.244	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	21038	49.492	ug/l	84
93) 1,2,4-Trichlorobenzene	15.098	180	178239	53.009	ug/l	98
94) Hexachlorobutadiene	15.204	225	91991	50.720	ug/l	98
95) Naphthalene	15.333	128	349548	54.495	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	155308	53.510	ug/l	99

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

