

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110623\
 Data File : VD077507.D
 Acq On : 06 Nov 2023 12:01
 Operator : JC/SY
 Sample : VD1106SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 07 02:08:55 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	7.881	168	223882	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	397362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	349930	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	160722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	145496	45.959	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.920%		
35) Dibromofluoromethane	7.804	113	128407	46.754	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.500%		
50) Toluene-d8	10.269	98	533339	49.995	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.000%		
62) 4-Bromofluorobenzene	12.575	95	166505	46.342	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.680%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	34868	19.315	ug/l	98
3) Chloromethane	2.152	50	53011	18.496	ug/l	99
4) Vinyl Chloride	2.287	62	62065	22.207	ug/l	99
5) Bromomethane	2.687	94	35029	23.919	ug/l	97
6) Chloroethane	2.840	64	44126	23.451	ug/l	98
7) Trichlorofluoromethane	3.175	101	74517	19.039	ug/l	97
8) Diethyl Ether	3.593	74	25687	18.258	ug/l #	55
9) 1,1,2-Trichlorotrifluo...	3.969	101	47031	19.905	ug/l	94
10) Methyl Iodide	4.163	142	44644	17.167	ug/l	92
11) Tert butyl alcohol	5.052	59	23213	92.566	ug/l	98
12) 1,1-Dichloroethene	3.940	96	40477	18.095	ug/l #	72
13) Acrolein	3.799	56	30634	92.635	ug/l	97
14) Allyl chloride	4.558	41	96337	17.853	ug/l #	84
15) Acrylonitrile	5.258	53	75051	98.683	ug/l	99
16) Acetone	4.022	43	86475	103.228	ug/l #	81
17) Carbon Disulfide	4.275	76	79760	14.448	ug/l	95
18) Methyl Acetate	4.563	43	54854	17.952	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	132150	18.821	ug/l	96
20) Methylene Chloride	4.805	84	73469	21.974	ug/l #	62
21) trans-1,2-Dichloroethene	5.316	96	46192	17.731	ug/l #	78
22) Diisopropyl ether	6.216	45	209864	18.299	ug/l #	88
23) Vinyl Acetate	6.157	43	456409m	92.243	ug/l	
24) 1,1-Dichloroethane	6.110	63	113398	19.055	ug/l	93
25) 2-Butanone	7.087	43	105601	94.508	ug/l #	76
26) 2,2-Dichloropropane	7.075	77	99115	18.794	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	60194	18.650	ug/l	69
28) Bromochloromethane	7.428	49	41050	16.680	ug/l #	56
29) Tetrahydrofuran	7.452	42	61603	92.957	ug/l #	70
30) Chloroform	7.593	83	107149	19.284	ug/l	96
31) Cyclohexane	7.881	56	84933	17.162	ug/l #	80
32) 1,1,1-Trichloroethane	7.799	97	88682	19.371	ug/l	96
36) 1,1-Dichloropropene	8.010	75	72753	17.867	ug/l	92
37) Ethyl Acetate	7.163	43	42800	18.315	ug/l #	91
38) Carbon Tetrachloride	7.999	117	74830	19.501	ug/l	94
39) Methylcyclohexane	9.275	83	79540	17.120	ug/l #	78
40) Benzene	8.251	78	221422	19.069	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	28754	19.230	ug/l #	71
42) 1,2-Dichloroethane	8.328	62	67140	18.256	ug/l	92
43) Isopropyl Acetate	8.357	43	87317	18.106	ug/l #	80
44) Trichloroethene	9.028	130	52198	18.352	ug/l	83
45) 1,2-Dichloropropane	9.310	63	66949	19.585	ug/l	99
46) Dibromomethane	9.393	93	29326	17.826	ug/l	91
47) Bromodichloromethane	9.587	83	80526	18.519	ug/l	99
48) Methyl methacrylate	9.381	41	37902	16.465	ug/l #	66
49) 1,4-Dioxane	9.387	88	6939	392.539	ug/l #	55
51) 4-Methyl-2-Pentanone	10.157	43	223087	93.984	ug/l #	80
52) Toluene	10.334	92	135104	19.086	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	84321	18.313	ug/l	96
54) cis-1,3-Dichloropropene	10.016	75	98894	18.665	ug/l #	79
55) 1,1,2-Trichloroethane	10.734	97	42777	19.490	ug/l	94
56) Ethyl methacrylate	10.598	69	59548	18.247	ug/l #	64
57) 1,3-Dichloropropane	10.881	76	78208	19.064	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	143910	88.086	ug/l #	84
59) 2-Hexanone	10.922	43	169386	96.869	ug/l	81
60) Dibromochloromethane	11.075	129	50091	18.979	ug/l	96
61) 1,2-Dibromoethane	11.181	107	38200	18.378	ug/l	96
64) Tetrachloroethene	10.810	164	41047	18.424	ug/l #	89
65) Chlorobenzene	11.610	112	142220	19.400	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	53337	19.253	ug/l	97
67) Ethyl Benzene	11.687	91	278489	19.743	ug/l	93
68) m/p-Xylenes	11.792	106	199797	39.225	ug/l	80
69) o-Xylene	12.122	106	94616	19.393	ug/l	79
70) Styrene	12.134	104	165183	19.625	ug/l #	89
71) Bromoform	12.298	173	28529	18.575	ug/l #	100
73) Isopropylbenzene	12.422	105	263226	20.088	ug/l	94
74) N-amyl acetate	12.234	43	84412	18.187	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.675	83	51422	20.019	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	37574m	19.208	ug/l	
77) Bromobenzene	12.698	156	55854	19.365	ug/l	73
78) n-propylbenzene	12.763	91	332577	19.988	ug/l	93
79) 2-Chlorotoluene	12.851	91	180906	19.203	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	217481	19.780	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.469	75	18982	18.744	ug/l	87
82) 4-Chlorotoluene	12.945	91	189345	19.295	ug/l	88
83) tert-Butylbenzene	13.169	119	189035	20.449	ug/l	89
84) 1,2,4-Trimethylbenzene	13.210	105	216260	19.800	ug/l	91
85) sec-Butylbenzene	13.345	105	295654	20.903	ug/l	94
86) p-Isopropyltoluene	13.463	119	232092	20.187	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	113601	20.037	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	112058	19.782	ug/l	96
89) n-Butylbenzene	13.786	91	243215	20.353	ug/l	97
90) Hexachloroethane	14.057	117	46728	19.862	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	99797	20.029	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7950	18.372	ug/l	79
93) 1,2,4-Trichlorobenzene	15.098	180	63423	18.529	ug/l	98
94) Hexachlorobutadiene	15.204	225	35284	19.110	ug/l	97
95) Naphthalene	15.333	128	123839	18.965	ug/l	97
96) 1,2,3-Trichlorobenzene	15.522	180	56542	19.137	ug/l	100

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

