

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110323\
 Data File : VD077497.D
 Acq On : 03 Nov 2023 11:17
 Operator : JC/SY
 Sample : VD1103SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1103SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/06/2023
 Supervised By : Mahesh Dadoda 11/06/2023

Quant Time: Nov 04 05:14:01 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	223075	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	406254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	357885	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	160142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	155257	49.219	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.440%		
35) Dibromofluoromethane	7.810	113	134150	47.776	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.560%		
50) Toluene-d8	10.269	98	558871	51.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.480%		
62) 4-Bromofluorobenzene	12.575	95	174597	47.530	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	95.060%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	35083	19.504	ug/l	99
3) Chloromethane	2.152	50	54700	19.155	ug/l	98
4) Vinyl Chloride	2.287	62	61288	22.009	ug/l	99
5) Bromomethane	2.693	94	36751	25.185	ug/l	99
6) Chloroethane	2.840	64	44333	23.646	ug/l	93
7) Trichlorofluoromethane	3.181	101	75312	19.312	ug/l	97
8) Diethyl Ether	3.599	74	24829	17.712	ug/l #	48
9) 1,1,2-Trichlorotrifluo...	3.981	101	45506	19.329	ug/l	93
10) Methyl Iodide	4.169	142	44574	17.196	ug/l #	90
11) Tert butyl alcohol	5.046	59	23497	94.037	ug/l	96
12) 1,1-Dichloroethene	3.946	96	40788	18.300	ug/l #	67
13) Acrolein	3.799	56	31182	94.633	ug/l	100
14) Allyl chloride	4.563	41	98666	18.350	ug/l #	82
15) Acrylonitrile	5.258	53	74195	97.910	ug/l	98
16) Acetone	4.022	43	85686	102.656	ug/l #	82
17) Carbon Disulfide	4.275	76	86054	15.333	ug/l	99
18) Methyl Acetate	4.575	43	56398	18.524	ug/l #	76
19) Methyl tert-butyl Ether	5.322	73	131010	18.726	ug/l	93
20) Methylene Chloride	4.805	84	68294	20.330	ug/l #	61
21) trans-1,2-Dichloroethene	5.316	96	47830	18.426	ug/l #	75
22) Diisopropyl ether	6.222	45	219062	19.170	ug/l #	90
23) Vinyl Acetate	6.157	43	465997m	94.522	ug/l	
24) 1,1-Dichloroethane	6.116	63	114702	19.344	ug/l	95
25) 2-Butanone	7.081	43	107153	96.244	ug/l #	71
26) 2,2-Dichloropropane	7.081	77	99900	19.011	ug/l	87
27) cis-1,2-Dichloroethene	7.087	96	60313	18.755	ug/l	68
28) Bromochloromethane	7.428	49	42333	17.190	ug/l #	54
29) Tetrahydrofuran	7.446	42	62392	94.489	ug/l #	68
30) Chloroform	7.599	83	110206	19.906	ug/l	93
31) Cyclohexane	7.881	56	89201	18.090	ug/l #	79
32) 1,1,1-Trichloroethane	7.793	97	90693	19.882	ug/l	95
36) 1,1-Dichloropropene	8.016	75	75578	18.154	ug/l	93
37) Ethyl Acetate	7.175	43	42544	17.807	ug/l #	89
38) Carbon Tetrachloride	7.999	117	73954	18.851	ug/l	96
39) Methylcyclohexane	9.275	83	81437	17.144	ug/l #	80
40) Benzene	8.257	78	224454	18.907	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	26857m	17.568	ug/l	
42) 1,2-Dichloroethane	8.328	62	69749	18.551	ug/l	90
43) Isopropyl Acetate	8.363	43	88811	18.013	ug/l #	80
44) Trichloroethene	9.028	130	54899	18.879	ug/l	90
45) 1,2-Dichloropropane	9.304	63	67548	19.327	ug/l	98
46) Dibromomethane	9.393	93	30525	18.149	ug/l #	85
47) Bromodichloromethane	9.587	83	82245	18.500	ug/l	99
48) Methyl methacrylate	9.381	41	40436	17.182	ug/l #	64
49) 1,4-Dioxane	9.387	88	6745	373.213	ug/l #	64
51) 4-Methyl-2-Pentanone	10.157	43	221413	91.237	ug/l #	82
52) Toluene	10.334	92	134713	18.615	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	87683	18.627	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	102001	18.830	ug/l #	81
55) 1,1,2-Trichloroethane	10.734	97	42231	18.820	ug/l	91
56) Ethyl methacrylate	10.598	69	61890	18.550	ug/l #	66
57) 1,3-Dichloropropane	10.881	76	77839	18.558	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	146251	87.560	ug/l #	84
59) 2-Hexanone	10.922	43	166242	92.990	ug/l	79
60) Dibromochloromethane	11.075	129	50154	18.587	ug/l	100
61) 1,2-Dibromoethane	11.181	107	38614	18.171	ug/l	99
64) Tetrachloroethene	10.810	164	40101	17.600	ug/l #	90
65) Chlorobenzene	11.610	112	144600	19.286	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	53154	18.760	ug/l	96
67) Ethyl Benzene	11.687	91	280230	19.425	ug/l	94
68) m/p-Xylenes	11.792	106	199834	38.360	ug/l	81
69) o-Xylene	12.122	106	96721	19.383	ug/l	83
70) Styrene	12.140	104	166224	19.310	ug/l #	92
71) Bromoform	12.304	173	27970	17.806	ug/l #	97
73) Isopropylbenzene	12.422	105	263991	20.219	ug/l	94
74) N-amyl acetate	12.234	43	86377	18.677	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	49041	19.161	ug/l	99
76) 1,2,3-Trichloropropane	12.728	75	38172m	19.585	ug/l	
77) Bromobenzene	12.704	156	55936	19.463	ug/l	72
78) n-propylbenzene	12.763	91	333246	20.101	ug/l	92
79) 2-Chlorotoluene	12.851	91	181124	19.296	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	215703	19.689	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	18149	17.987	ug/l #	84
82) 4-Chlorotoluene	12.945	91	183120	18.729	ug/l	89
83) tert-Butylbenzene	13.169	119	183863	19.961	ug/l	88
84) 1,2,4-Trimethylbenzene	13.216	105	218773	20.103	ug/l	92
85) sec-Butylbenzene	13.345	105	285479	20.256	ug/l	94
86) p-Isopropyltoluene	13.463	119	229380	20.024	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	109592	19.400	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	110463	19.571	ug/l	96
89) n-Butylbenzene	13.786	91	239205	20.090	ug/l	97
90) Hexachloroethane	14.051	117	45440	19.384	ug/l	96
91) 1,2-Dichlorobenzene	13.834	146	97124	19.563	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7324	16.986	ug/l	86
93) 1,2,4-Trichlorobenzene	15.098	180	64466	18.902	ug/l	97
94) Hexachlorobutadiene	15.204	225	35042	19.048	ug/l	98
95) Naphthalene	15.333	128	123515	18.984	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	54649	18.563	ug/l	99

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

