

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110323\
 Data File : VD077496.D
 Acq On : 03 Nov 2023 10:51
 Operator : JC/SY
 Sample : VD1103SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 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 05:13:07 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	226317	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	408830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	361324	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	167472	52.331	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.660%			
35) Dibromofluoromethane	7.810	113	145532	51.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.000%			
50) Toluene-d8	10.269	98	590183	53.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.540%			
62) 4-Bromofluorobenzene	12.575	95	187616	50.753	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.500%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	34971	19.164	ug/l	95
3) Chloromethane	2.152	50	55985	19.324	ug/l	98
4) Vinyl Chloride	2.287	62	64368	22.783	ug/l	97
5) Bromomethane	2.693	94	35849	24.215	ug/l	98
6) Chloroethane	2.840	64	47051	24.736	ug/l	97
7) Trichlorofluoromethane	3.181	101	76707	19.388	ug/l	97
8) Diethyl Ether	3.593	74	29185	20.521	ug/l	58
9) 1,1,2-Trichlorotrifluo...	3.981	101	48868	20.460	ug/l	93
10) Methyl Iodide	4.169	142	43305	16.601	ug/l	# 91
11) Tert butyl alcohol	5.046	59	28106	110.871	ug/l	99
12) 1,1-Dichloroethene	3.946	96	42724	18.894	ug/l	# 74
13) Acrolein	3.799	56	33084	98.967	ug/l	96
14) Allyl chloride	4.569	41	104904	19.231	ug/l	# 83
15) Acrylonitrile	5.258	53	81291	105.738	ug/l	95
16) Acetone	4.028	43	99160	117.097	ug/l	# 79
17) Carbon Disulfide	4.275	76	88092	15.437	ug/l	96
18) Methyl Acetate	4.564	43	59839	19.372	ug/l	# 77
19) Methyl tert-butyl Ether	5.322	73	147158	20.733	ug/l	94
20) Methylene Chloride	4.805	84	70494	20.728	ug/l	# 58
21) trans-1,2-Dichloroethene	5.316	96	47813	18.156	ug/l	# 73
22) Diisopropyl ether	6.222	45	233744	20.161	ug/l	# 90
23) Vinyl Acetate	6.158	43	511427m	102.251	ug/l	
24) 1,1-Dichloroethane	6.116	63	121490	20.195	ug/l	94
25) 2-Butanone	7.087	43	122533	108.482	ug/l	# 74
26) 2,2-Dichloropropane	7.081	77	106441	19.966	ug/l	89
27) cis-1,2-Dichloroethene	7.087	96	65285	20.010	ug/l	72
28) Bromochloromethane	7.428	49	43571	17.409	ug/l	# 53
29) Tetrahydrofuran	7.452	42	69927	104.383	ug/l	# 69
30) Chloroform	7.599	83	111860	19.915	ug/l	94
31) Cyclohexane	7.881	56	90798	18.150	ug/l	# 80
32) 1,1,1-Trichloroethane	7.793	97	91912	19.861	ug/l	95
36) 1,1-Dichloropropene	8.010	75	77842	18.580	ug/l	93
37) Ethyl Acetate	7.175	43	48668	20.242	ug/l	# 87
38) Carbon Tetrachloride	7.993	117	75415	19.103	ug/l	99
39) Methylcyclohexane	9.275	83	85847	17.959	ug/l	# 79
40) Benzene	8.252	78	233458	19.542	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	31075	20.199	ug/l #	70
42) 1,2-Dichloroethane	8.328	62	74838	19.779	ug/l	90
43) Isopropyl Acetate	8.363	43	101699	20.497	ug/l #	79
44) Trichloroethene	9.028	130	54818	18.733	ug/l	82
45) 1,2-Dichloropropane	9.304	63	71281	20.267	ug/l	98
46) Dibromomethane	9.393	93	32526	19.217	ug/l #	87
47) Bromodichloromethane	9.587	83	87000	19.447	ug/l	97
48) Methyl methacrylate	9.381	41	46646	19.695	ug/l #	63
49) 1,4-Dioxane	9.387	88	6569	361.184	ug/l #	49
51) 4-Methyl-2-Pentanone	10.157	43	248251	101.652	ug/l #	83
52) Toluene	10.334	92	142749	19.601	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	94246	19.895	ug/l	95
54) cis-1,3-Dichloropropene	10.022	75	104041	19.085	ug/l #	75
55) 1,1,2-Trichloroethane	10.734	97	46802	20.725	ug/l	92
56) Ethyl methacrylate	10.598	69	66177	19.710	ug/l #	64
57) 1,3-Dichloropropane	10.881	76	84208	19.950	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	148259	88.203	ug/l #	84
59) 2-Hexanone	10.922	43	196275	109.098	ug/l	76
60) Dibromochloromethane	11.075	129	53606	19.742	ug/l	98
61) 1,2-Dibromoethane	11.187	107	41765	19.530	ug/l	95
64) Tetrachloroethene	10.810	164	43870	19.070	ug/l	92
65) Chlorobenzene	11.610	112	151627	20.031	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	56161	19.633	ug/l	98
67) Ethyl Benzene	11.687	91	294515	20.221	ug/l	94
68) m/p-Xylenes	11.793	106	206855	39.330	ug/l	81
69) o-Xylene	12.122	106	101200	20.088	ug/l	81
70) Styrene	12.140	104	172562	19.855	ug/l #	90
71) Bromoform	12.298	173	30679	19.345	ug/l #	99
73) Isopropylbenzene	12.422	105	272289	20.114	ug/l	94
74) N-amyl acetate	12.234	43	92301	19.250	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.675	83	55511	20.919	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	42584m	21.072	ug/l	
77) Bromobenzene	12.698	156	57919	19.438	ug/l	69
78) n-propylbenzene	12.763	91	346254	20.144	ug/l	92
79) 2-Chlorotoluene	12.851	91	188005	19.318	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	224144	19.733	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.469	75	20367	19.468	ug/l #	84
82) 4-Chlorotoluene	12.951	91	198112	19.542	ug/l	88
83) tert-Butylbenzene	13.169	119	191332	20.035	ug/l	90
84) 1,2,4-Trimethylbenzene	13.210	105	218427	19.358	ug/l	94
85) sec-Butylbenzene	13.345	105	291990	19.983	ug/l	94
86) p-Isopropyltoluene	13.463	119	241460	20.330	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	115121	19.655	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	115676	19.767	ug/l	94
89) n-Butylbenzene	13.787	91	246090	19.935	ug/l	97
90) Hexachloroethane	14.051	117	47967	19.736	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	103777	20.161	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	8590	19.215	ug/l	77
93) 1,2,4-Trichlorobenzene	15.098	180	64853	18.340	ug/l	97
94) Hexachlorobutadiene	15.204	225	35449	18.585	ug/l	98
95) Naphthalene	15.334	128	131922	19.556	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	57606	18.872	ug/l	98

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

