

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077448.D
 Acq On : 30 Oct 2023 15:33
 Operator : JC/SY
 Sample : 04699-01 2.5ppb
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Quant Time: Oct 31 04:27:42 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	311574	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	542111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	475442	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	215629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	214161	48.609	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.220%		
35) Dibromofluoromethane	7.811	113	185470	49.500	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.269	98	733724	50.415	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.820%		
62) 4-Bromofluorobenzene	12.575	95	244007	49.779	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	99.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	5322	2.118	ug/l	93
3) Chloromethane	2.146	50	8578	2.151	ug/l	# 85
4) Vinyl Chloride	2.281	62	8256	2.123	ug/l	96
5) Bromomethane	2.693	94	6003m	2.945	ug/l	
6) Chloroethane	2.846	64	5952	2.273	ug/l	# 88
7) Trichlorofluoromethane	3.181	101	11878	2.181	ug/l	# 83
8) Diethyl Ether	3.599	74	4489	2.293	ug/l	# 32
9) 1,1,2-Trichlorotrifluo...	3.964	101	6945	2.112	ug/l	# 85
10) Methyl Iodide	4.158	142	7236	4.781	ug/l	# 82
11) Tert butyl alcohol	5.040	59	7693	22.043	ug/l	# 87
12) 1,1-Dichloroethene	3.946	96	6566	2.109	ug/l	# 82
13) Acrolein	3.793	56	5963	12.957	ug/l	83
14) Allyl chloride	4.564	41	14974	1.994	ug/l	# 82
15) Acrylonitrile	5.258	53	12296	11.617	ug/l	95
16) Acetone	4.028	43	13629	11.690	ug/l	# 80
17) Carbon Disulfide	4.275	76	14054	5.110	ug/l	96
18) Methyl Acetate	4.564	43	9827	2.311	ug/l	# 78
19) Methyl tert-butyl Ether	5.322	73	22168	2.269	ug/l	# 88
20) Methylene Chloride	4.805	84	70307	14.316	ug/l	# 66
21) trans-1,2-Dichloroethene	5.311	96	7687	2.120	ug/l	# 60
22) Diisopropyl ether	6.222	45	36426	2.282	ug/l	# 84
23) Vinyl Acetate	6.152	43	76177m	11.063	ug/l	
24) 1,1-Dichloroethane	6.111	63	17901	2.161	ug/l	96
25) 2-Butanone	7.081	43	22396	14.402	ug/l	# 63
26) 2,2-Dichloropropane	7.075	77	22579	3.076	ug/l	# 64
27) cis-1,2-Dichloroethene	7.081	96	10242	2.280	ug/l	49
28) Bromochloromethane	7.422	49	5808	3.587	ug/l	# 51
29) Tetrahydrofuran	7.452	42	9400	10.192	ug/l	# 75
30) Chloroform	7.593	83	17456	2.257	ug/l	87
31) Cyclohexane	7.875	56	21854	3.173	ug/l	# 78
32) 1,1,1-Trichloroethane	7.793	97	13319	2.090	ug/l	# 94
36) 1,1-Dichloropropene	8.005	75	11484	2.067	ug/l	90
37) Ethyl Acetate	7.169	43	7613m	2.388	ug/l	
38) Carbon Tetrachloride	7.999	117	11338	2.166	ug/l	97
39) Methylcyclohexane	9.275	83	13041	2.057	ug/l	# 77
40) Benzene	8.252	78	34018	2.147	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	4190m	2.054	ug/l	
42) 1,2-Dichloroethane	8.328	62	11489	2.290	ug/l	97
43) Isopropyl Acetate	8.363	43	14842	2.256	ug/l #	82
44) Trichloroethene	9.028	130	8562	2.207	ug/l	95
45) 1,2-Dichloropropane	9.305	63	10641	2.282	ug/l	93
46) Dibromomethane	9.393	93	5101	2.273	ug/l	89
47) Bromodichloromethane	9.581	83	13241	2.232	ug/l #	93
48) Methyl methacrylate	9.387	41	5846	1.861	ug/l #	68
49) 1,4-Dioxane	9.387	88	1173	48.639	ug/l #	69
51) 4-Methyl-2-Pentanone	10.163	43	36888	11.391	ug/l #	80
52) Toluene	10.334	92	20342	2.106	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	14386	2.290	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	16213	2.243	ug/l #	71
55) 1,1,2-Trichloroethane	10.734	97	7308	2.441	ug/l	95
56) Ethyl methacrylate	10.599	69	10034	2.254	ug/l #	57
57) 1,3-Dichloropropane	10.881	76	12599	2.251	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	20650	9.265	ug/l #	80
59) 2-Hexanone	10.922	43	27614	11.575	ug/l	80
60) Dibromochloromethane	11.075	129	8842	2.456	ug/l	93
61) 1,2-Dibromoethane	11.181	107	6110	2.155	ug/l	99
64) Tetrachloroethene	10.804	164	6394	2.112	ug/l #	83
65) Chlorobenzene	11.604	112	22876	2.297	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	8240	2.189	ug/l	98
67) Ethyl Benzene	11.687	91	42175	2.201	ug/l	96
68) m/p-Xylenes	11.793	106	29837	4.311	ug/l	75
69) o-Xylene	12.122	106	15364	2.318	ug/l	79
70) Styrene	12.134	104	26307	2.300	ug/l #	89
71) Bromoform	12.304	173	4648	2.227	ug/l #	93
73) Isopropylbenzene	12.422	105	38412	2.185	ug/l	98
74) N-amyl acetate	12.240	43	13587	2.182	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.675	83	7913	2.296	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	5239m	1.996	ug/l	
77) Bromobenzene	12.704	156	9034	2.335	ug/l	62
78) n-propylbenzene	12.763	91	51128	2.290	ug/l	94
79) 2-Chlorotoluene	12.851	91	31146	2.464	ug/l	86
80) 1,3,5-Trimethylbenzene	12.904	105	35723	2.422	ug/l	86
82) 4-Chlorotoluene	12.951	91	30265	2.299	ug/l	90
83) tert-Butylbenzene	13.163	119	28897	2.330	ug/l	90
84) 1,2,4-Trimethylbenzene	13.210	105	34161	2.331	ug/l	91
85) sec-Butylbenzene	13.345	105	43349	2.284	ug/l	94
86) p-Isopropyltoluene	13.463	119	33887	2.197	ug/l	90
87) 1,3-Dichlorobenzene	13.457	146	18272	2.402	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	18475m	2.431	ug/l	
89) n-Butylbenzene	13.787	91	38559	2.405	ug/l	95
90) Hexachloroethane	14.057	117	7354	2.330	ug/l	91
91) 1,2-Dichlorobenzene	13.834	146	15695	2.348	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1640	2.825	ug/l	80
93) 1,2,4-Trichlorobenzene	15.098	180	11215	2.442	ug/l	95
94) Hexachlorobutadiene	15.204	225	5501	2.221	ug/l	97
95) Naphthalene	15.334	128	24115	2.753	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	9103	2.296	ug/l	92

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

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