

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103023\
 Data File : VD077449.D
 Acq On : 30 Oct 2023 16:00
 Operator : JC/SY
 Sample : 04699-01 4.0ppb
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Oct 31 04:28:33 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	317242	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	547120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	480701	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	220513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	205468	45.802	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.600%		
35) Dibromofluoromethane	7.805	113	180135	47.636	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.280%		
50) Toluene-d8	10.269	98	701132	47.734	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.460%		
62) 4-Bromofluorobenzene	12.575	95	230597	46.613	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	11554	4.517	ug/l	97
3) Chloromethane	2.146	50	15713	3.869	ug/l	97
4) Vinyl Chloride	2.281	62	16326	4.122	ug/l	94
5) Bromomethane	2.693	94	9844	4.744	ug/l	98
6) Chloroethane	2.840	64	10443	3.917	ug/l	94
7) Trichlorofluoromethane	3.175	101	22057	3.977	ug/l	91
8) Diethyl Ether	3.587	74	7768	3.897	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	3.964	101	13444	4.015	ug/l #	89
10) Methyl Iodide	4.164	142	12178	5.847	ug/l #	90
11) Tert butyl alcohol	5.052	59	8792	24.742	ug/l #	77
12) 1,1-Dichloroethene	3.940	96	11904	3.756	ug/l #	80
13) Acrolein	3.793	56	11028	23.534	ug/l	96
14) Allyl chloride	4.569	41	28062	3.670	ug/l #	81
15) Acrylonitrile	5.263	53	20151	18.699	ug/l	96
16) Acetone	4.022	43	23818	20.065	ug/l #	78
17) Carbon Disulfide	4.275	76	25513	6.170	ug/l	97
18) Methyl Acetate	4.569	43	15824	3.655	ug/l #	83
19) Methyl tert-butyl Ether	5.311	73	37627	3.782	ug/l	93
20) Methylene Chloride	4.799	84	79439	16.165	ug/l #	66
21) trans-1,2-Dichloroethene	5.311	96	13590	3.681	ug/l #	84
22) Diisopropyl ether	6.216	45	59935	3.688	ug/l #	85
23) Vinyl Acetate	6.158	43	125646m	17.921	ug/l	
24) 1,1-Dichloroethane	6.111	63	32495	3.853	ug/l	91
25) 2-Butanone	7.087	43	31867	20.127	ug/l #	70
26) 2,2-Dichloropropane	7.075	77	32411	4.337	ug/l	87
27) cis-1,2-Dichloroethene	7.087	96	17827	3.898	ug/l	64
28) Bromochloromethane	7.428	49	12260	5.178	ug/l #	53
29) Tetrahydrofuran	7.446	42	16627	17.706	ug/l #	74
30) Chloroform	7.599	83	30141	3.828	ug/l	97
31) Cyclohexane	7.875	56	32732	4.668	ug/l #	73
32) 1,1,1-Trichloroethane	7.793	97	25571	3.942	ug/l #	93
36) 1,1-Dichloropropene	8.005	75	21642	3.860	ug/l	91
37) Ethyl Acetate	7.169	43	11311	3.515	ug/l #	66
38) Carbon Tetrachloride	7.993	117	21209	4.014	ug/l	90
39) Methylcyclohexane	9.269	83	24543	3.837	ug/l #	78
40) Benzene	8.252	78	61450	3.844	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	8095	3.932	ug/l #	77
42) 1,2-Dichloroethane	8.328	62	20263	4.002	ug/l	94
43) Isopropyl Acetate	8.357	43	24889	3.748	ug/l #	84
44) Trichloroethene	9.028	130	14625	3.735	ug/l	89
45) 1,2-Dichloropropane	9.304	63	18296	3.887	ug/l	90
46) Dibromomethane	9.399	93	8365	3.693	ug/l #	85
47) Bromodichloromethane	9.581	83	23719	3.962	ug/l	98
48) Methyl methacrylate	9.381	41	11236	3.545	ug/l #	69
49) 1,4-Dioxane	9.381	88	1744	71.653	ug/l #	35
51) 4-Methyl-2-Pentanone	10.163	43	62867	19.236	ug/l #	80
52) Toluene	10.334	92	39743	4.078	ug/l	92
53) t-1,3-Dichloropropene	10.551	75	24104	3.802	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	28862	3.956	ug/l #	71
55) 1,1,2-Trichloroethane	10.734	97	11521	3.812	ug/l	91
56) Ethyl methacrylate	10.599	69	17600	3.917	ug/l #	68
57) 1,3-Dichloropropane	10.875	76	21617	3.827	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	41524	18.460	ug/l #	83
59) 2-Hexanone	10.922	43	47626	19.781	ug/l	78
60) Dibromochloromethane	11.075	129	13872	3.817	ug/l	94
61) 1,2-Dibromoethane	11.181	107	10524	3.677	ug/l	97
64) Tetrachloroethene	10.810	164	11730	3.833	ug/l	96
65) Chlorobenzene	11.604	112	39155	3.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	14246	3.743	ug/l	96
67) Ethyl Benzene	11.687	91	79435	4.099	ug/l	94
68) m/p-Xylenes	11.793	106	54311	7.762	ug/l	80
69) o-Xylene	12.122	106	26832	4.003	ug/l	83
70) Styrene	12.134	104	45585	3.943	ug/l #	91
71) Bromoform	12.298	173	8021	3.802	ug/l #	96
73) Isopropylbenzene	12.422	105	72841	4.052	ug/l	95
74) N-amyl acetate	12.234	43	24306	3.817	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.675	83	13716	3.892	ug/l	100
76) 1,2,3-Trichloropropane	12.728	75	10769m	4.013	ug/l	
77) Bromobenzene	12.698	156	15514	3.920	ug/l	66
78) n-propylbenzene	12.763	91	92042	4.032	ug/l	91
79) 2-Chlorotoluene	12.851	91	52282	4.045	ug/l	87
80) 1,3,5-Trimethylbenzene	12.904	105	59446	3.941	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.475	75	5030	3.620	ug/l #	81
82) 4-Chlorotoluene	12.945	91	52888	3.928	ug/l	88
83) tert-Butylbenzene	13.163	119	51873	4.090	ug/l	87
84) 1,2,4-Trimethylbenzene	13.210	105	59877	3.996	ug/l	92
85) sec-Butylbenzene	13.345	105	79577	4.101	ug/l	94
86) p-Isopropyltoluene	13.463	119	62868	3.986	ug/l	92
87) 1,3-Dichlorobenzene	13.457	146	30954	3.979	ug/l	95
88) 1,4-Dichlorobenzene	13.534	146	30254	3.893	ug/l	88
89) n-Butylbenzene	13.787	91	69306	4.227	ug/l	97
90) Hexachloroethane	14.051	117	13060	4.046	ug/l	88
91) 1,2-Dichlorobenzene	13.834	146	26927	3.939	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.445	75	2289	3.855	ug/l	79
93) 1,2,4-Trichlorobenzene	15.098	180	17019	3.624	ug/l	95
94) Hexachlorobutadiene	15.210	225	10938	4.318	ug/l	95
95) Naphthalene	15.334	128	35690	3.984	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	15630	3.856	ug/l	99

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

