

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077457.D
 Acq On : 31 Oct 2023 13:31
 Operator : JC/SY
 Sample : 04699-03 4.0 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Quant Time: Nov 01 06:05:41 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 11/01/2023
 Supervised By : Mahesh Dadoda 11/01/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	269358	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	478350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	422354	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	186436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	195570	51.346	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.700%			
35) Dibromofluoromethane	7.810	113	168600	50.996	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.000%			
50) Toluene-d8	10.269	98	674820	52.548	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.100%			
62) 4-Bromofluorobenzene	12.575	95	217030	50.177	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.360%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	8917	4.106	ug/l	93
3) Chloromethane	2.152	50	13694	3.971	ug/l	93
4) Vinyl Chloride	2.287	62	13541	4.027	ug/l	97
5) Bromomethane	2.699	94	8816	5.003	ug/l	100
6) Chloroethane	2.846	64	9733	4.299	ug/l	99
7) Trichlorofluoromethane	3.181	101	18239	3.873	ug/l	98
8) Diethyl Ether	3.599	74	6710	3.964	ug/l #	40
9) 1,1,2-Trichlorotrifluo...	3.969	101	10629	3.739	ug/l #	94
10) Methyl Iodide	4.169	142	10770	5.959	ug/l	93
11) Tert butyl alcohol	5.057	59	8418m	27.901	ug/l	
12) 1,1-Dichloroethene	3.940	96	9943	3.695	ug/l #	62
13) Acrolein	3.799	56	8765	22.030	ug/l	95
14) Allyl chloride	4.569	41	23416	3.607	ug/l #	83
15) Acrylonitrile	5.252	53	18040	19.716	ug/l	97
16) Acetone	4.022	43	24985	24.790	ug/l #	77
17) Carbon Disulfide	4.275	76	21588	6.162	ug/l	98
18) Methyl Acetate	4.563	43	14688	3.995	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	33632	3.981	ug/l #	81
20) Methylene Chloride	4.799	84	31599	6.223	ug/l #	65
21) trans-1,2-Dichloroethene	5.316	96	12101	3.861	ug/l	88
22) Diisopropyl ether	6.216	45	55688	4.036	ug/l #	85
23) Vinyl Acetate	6.157	43	115239m	19.358	ug/l	
24) 1,1-Dichloroethane	6.116	63	27698	3.869	ug/l	97
25) 2-Butanone	7.081	43	34080	25.351	ug/l #	70
26) 2,2-Dichloropropane	7.081	77	30092	4.743	ug/l	80
27) cis-1,2-Dichloroethene	7.087	96	15318	3.945	ug/l	53
28) Bromochloromethane	7.428	49	10436	5.185	ug/l #	49
29) Tetrahydrofuran	7.451	42	15992	20.057	ug/l #	70
30) Chloroform	7.599	83	26122	3.907	ug/l	91
31) Cyclohexane	7.881	56	28904	4.854	ug/l #	69
32) 1,1,1-Trichloroethane	7.793	97	21477	3.899	ug/l #	91
36) 1,1-Dichloropropene	8.010	75	18974	3.871	ug/l	89
37) Ethyl Acetate	7.169	43	11444	4.068	ug/l #	94
38) Carbon Tetrachloride	7.993	117	18315	3.965	ug/l	89
39) Methylcyclohexane	9.269	83	19971	3.571	ug/l #	83
40) Benzene	8.251	78	54498	3.899	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	7161	3.978	ug/l #	72
42) 1,2-Dichloroethane	8.328	62	17443	3.940	ug/l	93
43) Isopropyl Acetate	8.363	43	21814	3.758	ug/l #	77
44) Trichloroethene	9.034	130	13111	3.829	ug/l	78
45) 1,2-Dichloropropane	9.304	63	16698	4.058	ug/l	97
46) Dibromomethane	9.393	93	6846	3.457	ug/l	88
47) Bromodichloromethane	9.587	83	20736	3.961	ug/l	95
48) Methyl methacrylate	9.381	41	11344	4.094	ug/l #	62
49) 1,4-Dioxane	9.381	88	1791	84.163	ug/l #	58
51) 4-Methyl-2-Pentanone	10.157	43	55118	19.289	ug/l #	80
52) Toluene	10.334	92	33876	3.975	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	21710	3.917	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	23993	3.762	ug/l #	76
55) 1,1,2-Trichloroethane	10.740	97	10141	3.838	ug/l	94
56) Ethyl methacrylate	10.598	69	15436	3.929	ug/l #	62
57) 1,3-Dichloropropane	10.881	76	19639	3.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	36762	18.692	ug/l #	82
59) 2-Hexanone	10.922	43	38507	18.293	ug/l	78
60) Dibromochloromethane	11.075	129	12567	3.955	ug/l	93
61) 1,2-Dibromoethane	11.181	107	9502	3.798	ug/l	98
64) Tetrachloroethene	10.810	164	9160	3.407	ug/l	91
65) Chlorobenzene	11.610	112	33152	3.747	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	12347	3.693	ug/l	98
67) Ethyl Benzene	11.687	91	65761	3.863	ug/l #	88
68) m/p-Xylenes	11.792	106	48387	7.871	ug/l	81
69) o-Xylene	12.122	106	23557	4.000	ug/l	80
70) Styrene	12.139	104	39199	3.859	ug/l #	86
71) Bromoform	12.298	173	6806	3.671	ug/l #	100
73) Isopropylbenzene	12.422	105	62245	4.095	ug/l	94
74) N-amyl acetate	12.234	43	22280	4.138	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	12143	4.075	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	8873m	3.910	ug/l	
77) Bromobenzene	12.704	156	12546	3.750	ug/l #	59
78) n-propylbenzene	12.763	91	78702	4.078	ug/l	93
79) 2-Chlorotoluene	12.851	91	41433	3.791	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	52529	4.119	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.475	75	4651	3.959	ug/l #	81
82) 4-Chlorotoluene	12.951	91	44526	3.912	ug/l	89
83) tert-Butylbenzene	13.169	119	43192	4.028	ug/l	89
84) 1,2,4-Trimethylbenzene	13.216	105	51476	4.063	ug/l	91
85) sec-Butylbenzene	13.345	105	65536	3.994	ug/l	96
86) p-Isopropyltoluene	13.463	119	54930	4.119	ug/l	92
87) 1,3-Dichlorobenzene	13.463	146	26297	3.999	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	26350m	4.010	ug/l	
89) n-Butylbenzene	13.786	91	56512	4.077	ug/l	96
90) Hexachloroethane	14.057	117	10472	3.837	ug/l	98
91) 1,2-Dichlorobenzene	13.833	146	23113	3.999	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.439	75	2282	4.546	ug/l	69
93) 1,2,4-Trichlorobenzene	15.098	180	15058	3.792	ug/l	96
94) Hexachlorobutadiene	15.210	225	8375	3.910	ug/l	96
95) Naphthalene	15.333	128	29931	3.952	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	12234	3.569	ug/l	93

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

