

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021325\
 Data File : VY021190.D
 Acq On : 13 Feb 2025 11:58
 Operator : SY/MD
 Sample : Q1168-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 14 00:43:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 02/14/2025
 Supervised By :Mahesh Dadoda 02/14/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	129459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	210017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	181049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	85858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	71055	53.569	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.140%			
35) Dibromofluoromethane	7.640	113	66709	49.564	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.120%			
50) Toluene-d8	10.109	98	247110	48.226	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.408	95	79798	47.669	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	2431	2.107	ug/l	96
3) Chloromethane	2.074	50	2632	2.312	ug/l	89
4) Vinyl Chloride	2.208	62	2565	2.238	ug/l	99
5) Bromomethane	2.605	94	2009	2.836	ug/l	92
6) Chloroethane	2.745	64	1631	2.391	ug/l	97
7) Trichlorofluoromethane	3.062	101	4876	2.335	ug/l	96
8) Diethyl Ether	3.464	74	1666	2.556	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.824	101	3484	2.659	ug/l	97
10) Methyl Iodide	4.013	142	3298	2.265	ug/l	92
11) Tert butyl alcohol	4.854	59	2038	22.673	ug/l #	75
12) 1,1-Dichloroethene	3.793	96	2895	2.345	ug/l	87
13) Acrolein	3.659	56	1619	11.697	ug/l	99
14) Allyl chloride	4.385	41	4721	2.269	ug/l	91
15) Acrylonitrile	5.068	53	3563	13.128	ug/l	96
16) Acetone	3.867	43	3254	15.731	ug/l #	86
17) Carbon Disulfide	4.110	76	7106	1.836	ug/l	97
18) Methyl Acetate	4.385	43	2186	3.010	ug/l #	87
19) Methyl tert-butyl Ether	5.116	73	7713	2.472	ug/l	99
20) Methylene Chloride	4.622	84	3447	2.681	ug/l	86
21) trans-1,2-Dichloroethene	5.122	96	3231	2.378	ug/l	97
22) Diisopropyl ether	6.031	45	10322	2.407	ug/l #	87
23) Vinyl Acetate	5.964	43	26537	11.101	ug/l #	94
24) 1,1-Dichloroethane	5.915	63	6433	2.561	ug/l	98
25) 2-Butanone	6.896	43	4903	14.424	ug/l #	83
26) 2,2-Dichloropropane	6.890	77	5952	2.560	ug/l	96
27) cis-1,2-Dichloroethene	6.890	96	3599	2.301	ug/l	84
28) Bromochloromethane	7.250	49	2566	2.583	ug/l #	93
29) Tetrahydrofuran	7.262	42	3244	14.104	ug/l #	84
30) Chloroform	7.427	83	6650	2.577	ug/l	90
31) Cyclohexane	7.713	56	7441	3.289	ug/l #	74
32) 1,1,1-Trichloroethane	7.622	97	5986	2.495	ug/l	99
36) 1,1-Dichloropropene	7.841	75	4196	2.105	ug/l	98
37) Ethyl Acetate	6.994	43	2262	2.586	ug/l #	79
38) Carbon Tetrachloride	7.817	117	5890	2.529	ug/l	97
39) Methylcyclohexane	9.109	83	5125	2.102	ug/l	93
40) Benzene	8.085	78	13303	2.274	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	1216	2.403	ug/l #	63
42) 1,2-Dichloroethane	8.165	62	4224	2.603	ug/l	95
43) Isopropyl Acetate	8.207	43	4389	2.526	ug/l #	86
44) Trichloroethene	8.866	130	3479	2.302	ug/l	98
45) 1,2-Dichloropropane	9.146	63	3270	2.355	ug/l	96
46) Dibromomethane	9.238	93	1750	2.276	ug/l	91
47) Bromodichloromethane	9.426	83	5425	2.631	ug/l #	96
48) Methyl methacrylate	9.225	41	2109	2.664	ug/l #	85
49) 1,4-Dioxane	9.225	88	285	39.820	ug/l #	65
51) 4-Methyl-2-Pentanone	10.006	43	10188	11.659	ug/l	93
52) Toluene	10.176	92	8790	2.393	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	4290	2.317	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	4755	2.169	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	2779	2.791	ug/l	95
56) Ethyl methacrylate	10.451	69	2827	2.123	ug/l	92
57) 1,3-Dichloropropane	10.719	76	4145	2.405	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.719	63	6197	9.780	ug/l	99
59) 2-Hexanone	10.762	43	5788	10.287	ug/l	98
60) Dibromochloromethane	10.914	129	3335	2.385	ug/l	99
61) 1,2-Dibromoethane	11.018	107	2170	2.327	ug/l	94
64) Tetrachloroethene	10.652	164	3120	2.321	ug/l	95
65) Chlorobenzene	11.444	112	9526	2.363	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.518	131	3552	2.479	ug/l	96
67) Ethyl Benzene	11.524	91	15690	2.200	ug/l	99
68) m/p-Xylenes	11.633	106	11747	4.404	ug/l	98
69) o-Xylene	11.957	106	5552	2.232	ug/l	99
70) Styrene	11.975	104	8324	2.008	ug/l	97
71) Bromoform	12.139	173	1927	2.416	ug/l #	87
73) Isopropylbenzene	12.261	105	14051	2.095	ug/l	97
74) N-amyl acetate	12.078	43	2993	2.041	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	2741	2.457	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	2457m	3.155	ug/l	
77) Bromobenzene	12.536	156	3776	2.440	ug/l	93
78) n-propylbenzene	12.597	91	17580	2.200	ug/l	97
79) 2-Chlorotoluene	12.682	91	11084	2.422	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	11476	2.110	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.310	75	949m	2.486	ug/l	
82) 4-Chlorotoluene	12.780	91	10973	2.354	ug/l	97
83) tert-Butylbenzene	12.999	119	10506	2.126	ug/l	93
84) 1,2,4-Trimethylbenzene	13.048	105	11072	2.082	ug/l	99
85) sec-Butylbenzene	13.182	105	15410	2.166	ug/l	100
86) p-Isopropyltoluene	13.298	119	12006	2.031	ug/l	98
87) 1,3-Dichlorobenzene	13.292	146	7403	2.477	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	7666	2.605	ug/l	87
89) n-Butylbenzene	13.621	91	11787	2.186	ug/l	96
90) Hexachloroethane	13.883	117	3093	2.509	ug/l	87
91) 1,2-Dichlorobenzene	13.664	146	6075	2.342	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.273	75	428	2.568	ug/l	89
93) 1,2,4-Trichlorobenzene	14.926	180	3310	2.293	ug/l	99
94) Hexachlorobutadiene	15.023	225	2201	2.301	ug/l	94
95) Naphthalene	15.151	128	4631	2.005	ug/l	97
96) 1,2,3-Trichlorobenzene	15.334	180	2737	2.278	ug/l	96

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

