

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031825\
 Data File : VD080282.D
 Acq On : 18 Mar 2025 16:15
 Operator : RP/MD
 Sample : Q1546-03
 Misc : 5.00g/10ml/MSVOA_D/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2025-01

Quant Time: Mar 27 14:45:52 2025
 Quant Title :
 QLast Update : Mon Mar 24 14:42:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/27/2025
 Supervised By :Mahesh Dadoda 03/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	175429	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	173596	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	76930	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.269	65	128036	22.16	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	88.64%		
7) Chloroethane-d5	2.799	69	117708	22.87	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	91.48%		
11) 1,1-Dichloroethene-d2	3.916	65	29023	23.90	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	95.60%		
21) 2-Butanone-d5	6.987	46	32141	53.01	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	106.02%		
24) Chloroform-d	7.569	84	136399	25.21	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	100.84%		
26) 1,2-Dichloroethane-d4	8.228	65	78942	26.70	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	106.80%		
32) Benzene-d6	8.204	84	269611	26.58	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	106.32%		
36) 1,2-Dichloropropane-d6	9.210	67	92143	28.16	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	112.64%		
41) Toluene-d8	10.269	98	244179	26.67	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	106.68%		
43) trans-1,3-Dichloroprop...	10.522	79	35772	26.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	106.24%		
47) 2-Hexanone-d5	10.875	63	24582	51.92	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	103.84%		
56) 1,1,2,2-Tetrachloroeth...	12.651	84	73340	25.22	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	100.88%		
66) 1,2-Dichlorobenzene-d4	13.810	152	77496	28.76	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	115.04%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	3900	1.20	ug/L	97
3) Chloromethane	2.152	50	6081	1.15	ug/L	92
5) Vinyl chloride	2.281	62	8013	1.17	ug/L #	59
6) Bromomethane	2.693	94	4397	1.23	ug/L	84
8) Chloroethane	2.834	64	4887	1.06	ug/L	86
9) Trichlorofluoromethane	3.169	101	6082	1.19	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.963	101	2841m	0.94	ug/L	
12) 1,1-Dichloroethene	3.940	96	3370	1.31	ug/L #	1
13) Acetone	4.028	43	1694	2.60	ug/L	58
14) Carbon disulfide	4.269	76	10606	1.11	ug/L #	79
15) Methyl Acetate	4.563	43	848	0.62	ug/L	94
16) Methylene chloride	4.804	84	7585	2.21	ug/L	90
17) trans-1,2-Dichloroethene	5.310	96	3088m	1.11	ug/L	
18) Methyl tert-butyl Ether	5.316	73	5221m	0.89	ug/L	
19) 1,1-Dichloroethane	6.104	63	6226m	1.14	ug/L	
20) cis-1,2-Dichloroethene	7.087	96	3118m	1.04	ug/L	
22) 2-Butanone	7.093	43	1794m	2.19	ug/L	
23) Bromochloromethane	7.422	128	1600	1.12	ug/L #	86
25) Chloroform	7.593	83	18003	3.08	ug/L	99
27) 1,2-Dichloroethane	8.334	62	4225	1.16	ug/L #	63

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	3983	0.97	ug/L #	83
30) 1,1,1-Trichloroethane	7.793	97	4865	1.07	ug/L	92
31) Carbon tetrachloride	7.987	117	4434m	1.11	ug/L	
33) Benzene	8.251	78	12977	1.15	ug/L	100
34) Trichloroethene	9.028	95	3330	1.11	ug/L	88
35) Methylcyclohexane	9.263	83	4287	1.00	ug/L #	84
38) Bromodichloromethane	9.587	83	4300	1.04	ug/L	81
39) cis-1,3-Dichloropropene	10.016	75	4316	0.91	ug/L	86
40) 4-Methyl-2-pentanone	10.157	43	3468	2.00	ug/L #	96
42) Toluene	10.334	91	13182	1.09	ug/L	99
44) trans-1,3-Dichloropropene	10.551	75	6390	1.61	ug/L	98
45) 1,1,2-Trichloroethane	10.728	97	2774	1.13	ug/L	94
46) Tetrachloroethene	10.810	164	2668	1.14	ug/L	93
48) 2-Hexanone	10.928	43	2486	1.98	ug/L #	93
49) Dibromochloromethane	11.069	129	2980m	1.08	ug/L	
50) 1,2-Dibromoethane	11.181	107	2565	1.18	ug/L #	100
51) Chlorobenzene	11.604	112	8504	1.07	ug/L	97
52) Ethylbenzene	11.681	91	12290	0.94	ug/L	96
53) m,p-Xylene	11.792	106	4362	0.90	ug/L	90
54) o-Xylene	12.122	106	4022	0.87	ug/L	89
55) Styrene	12.133	104	6870	0.82	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.669	83	3712	1.25	ug/L #	82
59) Bromoform	12.298	173	1893	1.33	ug/L #	90
60) Isopropylbenzene	12.416	105	9238	0.89	ug/L #	92
61) 1,2,3-Trichloropropane	12.728	75	2263	1.33	ug/L #	81
62) 1,3,5-Trimethylbenzene	12.904	105	7782	0.95	ug/L	92
63) 1,2,4-Trimethylbenzene	13.210	105	7631	0.92	ug/L	96
64) 1,3-Dichlorobenzene	13.457	146	5744	1.11	ug/L	90
65) 1,4-Dichlorobenzene	13.533	146	6290	1.13	ug/L	93
67) 1,2-Dichlorobenzene	13.827	146	5892	1.23	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.451	75	505m	1.25	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	4340	1.27	ug/L	93
70) 1,2,4-trichlorobenzene	15.098	180	3169	1.12	ug/L #	94
71) Naphthalene	15.327	128	6304	1.18	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.516	180	3137	1.23	ug/L	92

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

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