

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040623\
 Data File : VD075589.D
 Acq On : 06 Apr 2023 11:56
 Operator : KP/SY
 Sample : 01378-04
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Quant Time: Apr 07 01:24:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDL033123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 01 00:08:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Semsettin Yesilyurt 04/07/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	319092	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	289068	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	122836	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	188112	25.320	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 101.280%			
7) Chloroethane-d5	2.805	69	172846	26.145	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.600%			
11) 1,1-Dichloroethene-d2	3.916	63	120549	20.117	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 80.480%			
21) 2-Butanone-d5	6.993	46	31199	64.485	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 128.980%			
24) Chloroform-d	7.569	84	192308	25.562	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.240%			
26) 1,2-Dichloroethane-d4	8.234	65	86228	25.864	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 103.440%			
32) Benzene-d6	8.204	84	408033	24.144	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 96.560%			
36) 1,2-Dichloropropane-d6	9.210	67	114341	25.388	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 101.560%			
41) Toluene-d8	10.269	98	370641	23.390	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 93.560%			
43) trans-1,3-Dichloroprop...	10.528	79	46538	24.788	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.160%			
47) 2-Hexanone-d5	10.881	63	27622	51.828	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 103.660%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	91114	27.005	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 108.040%			
66) 1,2-Dichlorobenzene-d4	13.816	152	105336	24.999	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	3698	1.237	ug/L	98
3) Chloromethane	2.146	50	5404	1.381	ug/L	84
5) Vinyl chloride	2.281	62	8428	1.382	ug/L #	62
6) Bromomethane	2.699	94	5337	1.283	ug/L	89
8) Chloroethane	2.846	64	5162	1.215	ug/L	86
9) Trichlorofluoromethane	3.175	101	6368	1.201	ug/L #	60
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	5738m	1.558	ug/L	
12) 1,1-Dichloroethene	3.934	96	4530m	1.488	ug/L	
13) Acetone	4.028	43	1863m	3.672	ug/L	
14) Carbon disulfide	4.269	76	9279	1.274	ug/L #	88
15) Methyl Acetate	4.563	43	1049m	1.234	ug/L	
16) Methylene chloride	4.804	84	9812m	2.237	ug/L	
17) trans-1,2-Dichloroethene	5.304	96	3727m	1.154	ug/L	
18) Methyl tert-butyl Ether	5.322	73	6751m	1.099	ug/L	
19) 1,1-Dichloroethane	6.110	63	6315	1.140	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	4076m	1.074	ug/L	
22) 2-Butanone	7.087	43	1906m	3.153	ug/L	
23) Bromochloromethane	7.428	128	1822m	1.019	ug/L	
25) Chloroform	7.598	83	9444	1.424	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	4429	1.292	ug/L	94
29) Cyclohexane	7.875	56	3734	1.058	ug/L #	81
30) 1,1,1-Trichloroethane	7.787	97	6473	1.137	ug/L #	86
31) Carbon tetrachloride	7.993	117	4813	1.047	ug/L	85
33) Benzene	8.251	78	17347	1.166	ug/L	100
34) Trichloroethene	9.028	95	4611	1.106	ug/L	85
35) Methylcyclohexane	9.269	83	5525	1.014	ug/L	93
37) 1,2-Dichloropropane	9.310	63	4133	1.181	ug/L #	82
38) Bromodichloromethane	9.581	83	5480	1.099	ug/L #	94
39) cis-1,3-Dichloropropene	10.016	75	5720	1.031	ug/L	93
40) 4-Methyl-2-pentanone	10.157	43	3067	2.338	ug/L #	81
42) Toluene	10.334	91	17934	1.085	ug/L	95
44) trans-1,3-Dichloropropene	10.551	75	6783	1.438	ug/L	96
45) 1,1,2-Trichloroethane	10.739	97	3542	1.103	ug/L #	83
46) Tetrachloroethene	10.810	164	3533	1.082	ug/L	91
48) 2-Hexanone	10.922	43	2096	2.371	ug/L	92
49) Dibromochloromethane	11.075	129	3745	1.077	ug/L	85
50) 1,2-Dibromoethane	11.181	107	2902	1.031	ug/L #	83
51) Chlorobenzene	11.604	112	11922	1.071	ug/L	93
52) Ethylbenzene	11.686	91	17516	1.008	ug/L	90
53) m,p-Xylene	11.798	106	6902	1.013	ug/L	98
54) o-Xylene	12.122	106	5548	0.855	ug/L	95
55) Styrene	12.134	104	9329	0.807	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	4032	1.217	ug/L #	87
59) Bromoform	12.298	173	1975	1.040	ug/L #	94
60) Isopropylbenzene	12.422	105	14878	0.917	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	2624	1.350	ug/L #	82
62) 1,3,5-Trimethylbenzene	12.904	105	10973	0.897	ug/L	95
63) 1,2,4-Trimethylbenzene	13.216	105	9271	0.792	ug/L	93
64) 1,3-Dichlorobenzene	13.457	146	8679	1.182	ug/L	95
65) 1,4-Dichlorobenzene	13.539	146	8995	1.174	ug/L	84
67) 1,2-Dichlorobenzene	13.833	146	8504	1.279	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.457	75	424m	1.083	ug/L	
69) 1,3,5-Trichlorobenzene	14.592	180	4603	1.016	ug/L	96
70) 1,2,4-trichlorobenzene	15.104	180	4466	1.218	ug/L	95
71) Naphthalene	15.333	128	11197	1.652	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.522	180	5482	1.669	ug/L #	92

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

