

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040623\
 Data File : VD075590.D
 Acq On : 06 Apr 2023 12:25
 Operator : KP/SY
 Sample : 02215-03
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2023-03

Quant Time: Apr 07 01:25:06 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	309781	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	282446	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	118912	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	182677	25.327	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 101.320%			
7) Chloroethane-d5	2.805	69	169014	26.334	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 105.320%			
11) 1,1-Dichloroethene-d2	3.922	63	136740	23.504	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 94.000%			
21) 2-Butanone-d5	6.993	46	27873	59.342	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.680%			
24) Chloroform-d	7.569	84	184485	25.260	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.040%			
26) 1,2-Dichloroethane-d4	8.228	65	81700	25.243	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.960%			
32) Benzene-d6	8.205	84	390436	23.645	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.560%			
36) 1,2-Dichloropropane-d6	9.210	67	110094	25.018	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 100.080%			
41) Toluene-d8	10.269	98	359336	23.208	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.840%			
43) trans-1,3-Dichloroprop...	10.528	79	43974	23.971	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 95.880%			
47) 2-Hexanone-d5	10.881	63	23582	45.285	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 90.580%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	86224	26.155	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.600%			
66) 1,2-Dichlorobenzene-d4	13.816	152	105694	25.911	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3496	1.204	ug/L	91
3) Chloromethane	2.146	50	5442	1.432	ug/L	99
5) Vinyl chloride	2.281	62	8143	1.375	ug/L #	63
6) Bromomethane	2.699	94	5706	1.412	ug/L	90
8) Chloroethane	2.840	64	5165	1.252	ug/L	93
9) Trichlorofluoromethane	3.175	101	6845	1.330	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	6532m	1.826	ug/L	
12) 1,1-Dichloroethene	3.940	96	5206	1.762	ug/L #	1
13) Acetone	4.028	43	1439	2.921	ug/L	96
14) Carbon disulfide	4.275	76	11373	1.609	ug/L #	95
15) Methyl Acetate	4.575	43	890	1.078	ug/L #	39
16) Methylene chloride	4.811	84	10313m	2.422	ug/L	
17) trans-1,2-Dichloroethene	5.328	96	3668m	1.169	ug/L	
18) Methyl tert-butyl Ether	5.322	73	5872m	0.985	ug/L	
19) 1,1-Dichloroethane	6.105	63	6352	1.181	ug/L #	93
20) cis-1,2-Dichloroethene	7.081	96	4283	1.163	ug/L	94
22) 2-Butanone	7.087	43	1946m	3.316	ug/L	
23) Bromochloromethane	7.434	128	2059m	1.186	ug/L	
25) Chloroform	7.599	83	8184	1.271	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.334	62	3947	1.186	ug/L	98
29) Cyclohexane	7.887	56	3146	0.913	ug/L #	77
30) 1,1,1-Trichloroethane	7.787	97	5744m	1.032	ug/L	
31) Carbon tetrachloride	7.987	117	4493	1.000	ug/L	92
33) Benzene	8.252	78	15158	1.043	ug/L	100
34) Trichloroethene	9.028	95	3990	0.980	ug/L	95
35) Methylcyclohexane	9.275	83	5408	1.015	ug/L #	90
37) 1,2-Dichloropropane	9.310	63	3738	1.093	ug/L #	89
38) Bromodichloromethane	9.587	83	5163	1.060	ug/L #	95
39) cis-1,3-Dichloropropene	10.016	75	5326	0.982	ug/L	92
40) 4-Methyl-2-pentanone	10.157	43	2476	1.932	ug/L #	88
42) Toluene	10.334	91	16820	1.042	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	6938	1.505	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	3478	1.108	ug/L #	86
46) Tetrachloroethene	10.810	164	3714	1.165	ug/L #	72
48) 2-Hexanone	10.916	43	2152	2.491	ug/L #	33
49) Dibromochloromethane	11.081	129	3632	1.069	ug/L	85
50) 1,2-Dibromoethane	11.181	107	3025	1.100	ug/L #	83
51) Chlorobenzene	11.610	112	11531	1.060	ug/L	93
52) Ethylbenzene	11.681	91	16249	0.957	ug/L	92
53) m,p-Xylene	11.793	106	5526	0.830	ug/L	93
54) o-Xylene	12.122	106	4892	0.772	ug/L	97
55) Styrene	12.134	104	8699	0.770	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.675	83	3692	1.140	ug/L #	82
59) Bromoform	12.293	173	1805	0.982	ug/L #	84
60) Isopropylbenzene	12.416	105	13342	0.850	ug/L	97
61) 1,2,3-Trichloropropane	12.728	75	2102	1.117	ug/L	92
62) 1,3,5-Trimethylbenzene	12.904	105	10637	0.898	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	9294	0.821	ug/L	97
64) 1,3-Dichlorobenzene	13.463	146	7581	1.066	ug/L	89
65) 1,4-Dichlorobenzene	13.540	146	8790	1.185	ug/L	88
67) 1,2-Dichlorobenzene	13.834	146	7264	1.128	ug/L #	80
68) 1,2-Dibromo-3-chloropr...	14.445	75	376m	0.992	ug/L	
69) 1,3,5-Trichlorobenzene	14.593	180	4695	1.071	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	3638	1.025	ug/L	91
71) Naphthalene	15.334	128	6993	1.066	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	3505	1.102	ug/L	89

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

