

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022223\
 Data File : VW030081.D
 Acq On : 22 Feb 2023 16:03
 Operator : SY/MD
 Sample : 01378-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02

Quant Time: Feb 22 23:18:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 22 23:16:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	351604	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	349813	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	206061	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	140038	56.019	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.040%			
7) Chloroethane-d5	1.536	69	117212	61.278	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 122.560%			
11) 1,1-Dichloroethene-d2	2.066	63	195802	40.944	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.880%			
21) 2-Butanone-d5	3.799	46	151742	97.267	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.270%			
24) Chloroform-d	4.259	84	241040	51.875	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.760%			
26) 1,2-Dichloroethane-d4	4.950	65	144238	52.516	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.040%			
32) Benzene-d6	4.969	84	488969	52.631	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.260%			
36) 1,2-Dichloropropane-d6	5.995	67	156686	53.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 106.080%			
41) Toluene-d8	7.249	98	456872	52.107	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.220%			
43) trans-1,3-Dichloroprop...	7.558	79	72559	49.423	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.840%			
47) 2-Hexanone-d5	8.030	63	125112	90.842	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 90.840%			
56) 1,1,2,2-Tetrachloroeth...	10.162	84	219938	49.633	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.260%			
66) 1,2-Dichlorobenzene-d4	11.570	152	193650	52.767	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	8452	2.271	ug/L	95
3) Chloromethane	1.217	50	15853	3.320	ug/L	98
5) Vinyl chloride	1.288	62	7801	2.346	ug/L #	68
6) Bromomethane	1.490	94	1481	2.450	ug/L	81
8) Chloroethane	1.555	64	4909	2.530	ug/L	91
9) Trichlorofluoromethane	1.719	101	10913	2.475	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8141	3.017	ug/L #	85
12) 1,1-Dichloroethene	2.072	96	7106	2.928	ug/L #	1
13) Acetone	2.130	43	7564	6.317	ug/L	97
14) Carbon disulfide	2.249	76	14873	2.072	ug/L #	94
15) Methyl Acetate	2.384	43	5687	2.284	ug/L	96
16) Methylene chloride	2.452	84	7799	2.935	ug/L	96
17) trans-1,2-Dichloroethene	2.703	96	5714	2.303	ug/L	95
18) Methyl tert-butyl Ether	2.712	73	18117	2.294	ug/L	99
19) 1,1-Dichloroethane	3.121	63	10343	2.262	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	6357	2.317	ug/L	99
22) 2-Butanone	3.905	43	8054m	4.794	ug/L	
23) Bromochloromethane	4.159	128	3600	2.461	ug/L	89
25) Chloroform	4.285	83	11763	2.523	ug/L	97

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27) 1,2-Dichloroethane	5.056	62	8439	2.424	ug/L #	91
29) Cyclohexane	4.593	56	8272	2.029	ug/L	100
30) 1,1,1-Trichloroethane	4.529	97	9770m	2.248	ug/L	
31) Carbon tetrachloride	4.744	117	8404	2.203	ug/L	99
33) Benzene	5.024	78	22223	2.153	ug/L	100
34) Trichloroethene	5.847	95	6103	2.173	ug/L	97
35) Methylcyclohexane	6.059	83	9584m	2.149	ug/L	
37) 1,2-Dichloropropane	6.104	63	6675	2.456	ug/L	99
38) Bromodichloromethane	6.442	83	8155	2.234	ug/L #	98
39) cis-1,3-Dichloropropene	6.966	75	9917	2.171	ug/L	97
40) 4-Methyl-2-pentanone	7.172	43	13027	3.855	ug/L	100
42) Toluene	7.326	91	25519	2.260	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	9989m	2.404	ug/L	
45) 1,1,2-Trichloroethane	7.780	97	6498	2.303	ug/L	95
46) Tetrachloroethene	7.915	164	5034	2.132	ug/L	94
49) Dibromochloromethane	8.188	129	6908	2.362	ug/L	100
50) 1,2-Dibromoethane	8.294	107	6976	2.254	ug/L	97
51) Chlorobenzene	8.821	112	17304	2.299	ug/L	98
52) Ethylbenzene	8.956	91	26467	2.117	ug/L	99
53) m,p-Xylene	9.082	106	9821	2.056	ug/L	94
54) o-Xylene	9.487	106	9233	2.005	ug/L	100
55) Styrene	9.506	104	15497	1.970	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	11616	2.519	ug/L	97
59) Bromoform	9.677	173	5119	2.509	ug/L #	98
60) Isopropylbenzene	9.876	105	24930	2.034	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	7934	2.327	ug/L	99
62) 1,3,5-Trimethylbenzene	10.487	105	19247	1.896	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	19089	1.914	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	13655	2.211	ug/L	96
65) 1,4-Dichlorobenzene	11.217	146	14953	2.367	ug/L	95
67) 1,2-Dichlorobenzene	11.587	146	14469	2.353	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.374	75	2152	2.164	ug/L	88
69) 1,3,5-Trichlorobenzene	12.593	180	11035	2.239	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	10112	2.183	ug/L	96
71) Naphthalene	13.451	128	24548	1.827	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	9049	1.991	ug/L	96

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

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