

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071223\
 Data File : VW031689.D
 Acq On : 12 Jul 2023 12:36
 Operator : SY/MD
 Sample : 03573-06
 Misc : 5.00g/5.0uL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-06

Quant Time: Jul 13 05:07:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 13 04:58:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 07/13/2023

Supervised By :Mahesh
 Dadoda
 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	264682	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	284405	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	132979	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	104598	43.661	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.320%		
7) Chloroethane-d5	1.532	69	96280	55.537	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	111.080%		
11) 1,1-Dichloroethene-d2	2.060	65	53389	50.028	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.060%		
21) 2-Butanone-d5	3.796	46	115933	75.726	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	75.730%		
24) Chloroform-d	4.256	84	238138	49.808	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.620%		
26) 1,2-Dichloroethane-d4	4.947	65	152504	50.728	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.460%		
32) Benzene-d6	4.966	84	405044	47.500	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.000%		
36) 1,2-Dichloropropane-d6	5.995	67	144611	52.451	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.900%		
41) Toluene-d8	7.249	98	344736	44.964	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.920%		
43) trans-1,3-Dichloroprop...	7.558	79	63150	45.870	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.740%		
47) 2-Hexanone-d5	8.030	63	85028	80.461	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.460%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	213085	51.028	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.060%		
66) 1,2-Dichlorobenzene-d4	11.567	152	129315	53.018	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.040%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	8763	2.663	ug/L	95
3) Chloromethane	1.217	50	9105	2.675	ug/L	99
5) Vinyl chloride	1.281	62	8165	2.561	ug/L #	72
6) Bromomethane	1.487	94	6117	3.358	ug/L	84
8) Chloroethane	1.548	64	5549	3.157	ug/L	95
9) Trichlorofluoromethane	1.712	101	13796	3.020	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8721	3.317	ug/L	86
12) 1,1-Dichloroethene	2.069	96	8383	3.668	ug/L #	1
13) Acetone	2.114	43	6833	5.165	ug/L	94
14) Carbon disulfide	2.243	76	20989	2.789	ug/L	99
15) Methyl Acetate	2.381	43	8575	3.075	ug/L #	89
16) Methylene chloride	2.452	84	8666	3.208	ug/L	98
17) trans-1,2-Dichloroethene	2.703	96	6425m	2.752	ug/L	
18) Methyl tert-butyl Ether	2.709	73	16586	2.335	ug/L #	94
19) 1,1-Dichloroethane	3.117	63	13263	2.779	ug/L #	94
20) cis-1,2-Dichloroethene	3.825	96	6448	2.693	ug/L	92
22) 2-Butanone	3.899	43	11901m	6.493	ug/L	
23) Bromochloromethane	4.169	128	3140m	2.412	ug/L	
25) Chloroform	4.281	83	17805m	3.638	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	10747	2.955	ug/L	100
29) Cyclohexane	4.587	56	7963	2.136	ug/L #	67
30) 1,1,1-Trichloroethane	4.519	97	12124	2.728	ug/L	96
31) Carbon tetrachloride	4.744	117	10826	2.749	ug/L	99
33) Benzene	5.018	78	25370	2.616	ug/L	100
34) Trichloroethene	5.844	95	7108	2.605	ug/L #	74
35) Methylcyclohexane	6.059	83	9069m	2.442	ug/L	
37) 1,2-Dichloropropane	6.104	63	7419	2.736	ug/L #	95
38) Bromodichloromethane	6.445	83	10648	2.897	ug/L	98
39) cis-1,3-Dichloropropene	6.966	75	10214m	2.490	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	14638	4.341	ug/L	93
42) Toluene	7.326	91	24796	2.476	ug/L	99
44) trans-1,3-Dichloropropene	7.593	75	9775	2.389	ug/L	94
45) 1,1,2-Trichloroethane	7.780	97	7778	2.897	ug/L	96
46) Tetrachloroethene	7.915	164	4665	2.248	ug/L	96
48) 2-Hexanone	8.091	43	17607	6.212	ug/L #	88
49) Dibromochloromethane	8.188	129	7842	2.630	ug/L	92
50) 1,2-Dibromoethane	8.294	107	7828	2.646	ug/L #	97
51) Chlorobenzene	8.821	112	16668	2.510	ug/L	98
52) Ethylbenzene	8.953	91	22373	2.053	ug/L	97
53) m,p-Xylene	9.082	106	7617	1.896	ug/L	99
54) o-Xylene	9.487	106	6867	1.845	ug/L	88
55) Styrene	9.506	104	11899	1.737	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.185	83	13174	3.161	ug/L #	94
59) Bromoform	9.673	173	4692	2.761	ug/L #	80
60) Isopropylbenzene	9.876	105	17774	2.189	ug/L #	96
61) 1,2,3-Trichloropropane	10.217	75	9653	3.490	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	13790	2.078	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	14329	2.168	ug/L	93
64) 1,3-Dichlorobenzene	11.127	146	10884	2.581	ug/L	95
65) 1,4-Dichlorobenzene	11.217	146	13059	2.855	ug/L	95
67) 1,2-Dichlorobenzene	11.586	146	13121	3.033	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.374	75	2911	3.449	ug/L #	83
69) 1,3,5-Trichlorobenzene	12.590	180	8715	2.758	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	7498	2.678	ug/L	92
71) Naphthalene	13.448	128	17964	2.217	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	7314	2.492	ug/L	97

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

