

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031682.D
 Acq On : 11 Jul 2023 16:30
 Operator : SY/MD
 Sample : 03573-05
 Misc : 5.00g/5.0uL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT3-2023-05

Quant Time: Jul 12 08:12:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 07/12/2023
 Supervised By :Mahesh
 Dadoda
 07/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	268241	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	287553	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	136857	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	107886	44.436	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.880%			
7) Chloroethane-d5	1.532	69	98954	56.322	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.640%			
11) 1,1-Dichloroethene-d2	2.063	65	57219	52.905	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 105.820%			
21) 2-Butanone-d5	3.789	46	169481	109.235	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 109.230%			
24) Chloroform-d	4.256	84	240302	49.594	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 99.180%			
26) 1,2-Dichloroethane-d4	4.947	65	157489	51.691	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.380%			
32) Benzene-d6	4.966	84	422502	49.004	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.000%			
36) 1,2-Dichloropropane-d6	5.995	67	162342	58.238	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 116.480%			
41) Toluene-d8	7.249	98	357680	46.142	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.280%			
43) trans-1,3-Dichloroprop...	7.558	79	68317	49.080	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.160%			
47) 2-Hexanone-d5	8.030	63	104426	97.735	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.730%			
56) 1,1,2,2-Tetrachloroeth...	10.159	84	204009	48.319	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.640%			
66) 1,2-Dichlorobenzene-d4	11.567	152	141922	56.537	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 113.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	6977	2.092	ug/L	97
3) Chloromethane	1.217	50	6862	1.989	ug/L	87
5) Vinyl chloride	1.285	62	7575	2.345	ug/L	96
6) Bromomethane	1.487	94	4872	2.639	ug/L	85
8) Chloroethane	1.548	64	4301	2.414	ug/L	92
9) Trichlorofluoromethane	1.715	101	10562	2.282	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	8098	3.039	ug/L #	81
12) 1,1-Dichloroethene	2.072	96	6699	2.892	ug/L #	1
13) Acetone	2.117	43	6191m	4.618	ug/L	
14) Carbon disulfide	2.243	76	17571	2.304	ug/L	98
15) Methyl Acetate	2.384	43	7474m	2.645	ug/L	
16) Methylene chloride	2.452	84	7061	2.579	ug/L	90
17) trans-1,2-Dichloroethene	2.699	96	4632	1.958	ug/L	84
18) Methyl tert-butyl Ether	2.709	73	13635	1.894	ug/L #	93
19) 1,1-Dichloroethane	3.121	63	11288	2.334	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	5332	2.197	ug/L	90
22) 2-Butanone	3.905	43	9247m	4.978	ug/L	
23) Bromochloromethane	4.162	128	2844m	2.155	ug/L	
25) Chloroform	4.285	83	13076	2.636	ug/L	97

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27) 1,2-Dichloroethane	5.059	62	8901	2.415	ug/L	98
29) Cyclohexane	4.593	56	6491	1.722	ug/L	91
30) 1,1,1-Trichloroethane	4.526	97	10087m	2.245	ug/L	
31) Carbon tetrachloride	4.747	117	8829	2.217	ug/L	93
33) Benzene	5.024	78	21572m	2.200	ug/L	
34) Trichloroethene	5.841	95	6457	2.340	ug/L #	10
35) Methylcyclohexane	6.059	83	8262m	2.200	ug/L	
37) 1,2-Dichloropropane	6.108	63	6780m	2.473	ug/L	
38) Bromodichloromethane	6.445	83	8462	2.277	ug/L #	88
39) cis-1,3-Dichloropropene	6.966	75	8308m	2.003	ug/L	
40) 4-Methyl-2-pentanone	7.172	43	11869	3.481	ug/L	91
42) Toluene	7.329	91	18582	1.835	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	8738m	2.112	ug/L	
45) 1,1,2-Trichloroethane	7.783	97	5823	2.145	ug/L	91
46) Tetrachloroethene	7.915	164	4234	2.018	ug/L	90
49) Dibromochloromethane	8.185	129	6194	2.055	ug/L	92
50) 1,2-Dibromoethane	8.294	107	6371	2.130	ug/L #	97
51) Chlorobenzene	8.821	112	13713	2.043	ug/L	90
52) Ethylbenzene	8.956	91	19576	1.777	ug/L	96
53) m,p-Xylene	9.085	106	6925	1.705	ug/L	81
54) o-Xylene	9.490	106	6031	1.603	ug/L	96
55) Styrene	9.509	104	9458	1.366	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	9740	2.311	ug/L #	87
59) Bromoform	9.673	173	4328	2.475	ug/L #	92
60) Isopropylbenzene	9.876	105	14622	1.750	ug/L	97
61) 1,2,3-Trichloropropane	10.217	75	8575	3.013	ug/L	91
62) 1,3,5-Trimethylbenzene	10.484	105	12326	1.805	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	11301	1.662	ug/L	97
64) 1,3-Dichlorobenzene	11.127	146	9398	2.165	ug/L	94
65) 1,4-Dichlorobenzene	11.217	146	10801	2.294	ug/L	95
67) 1,2-Dichlorobenzene	11.583	146	10896	2.448	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	12.371	75	2047	2.357	ug/L #	80
69) 1,3,5-Trichlorobenzene	12.590	180	6874	2.114	ug/L	89
70) 1,2,4-trichlorobenzene	13.207	180	6369	2.210	ug/L	95
71) Naphthalene	13.448	128	15566	1.867	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.689	180	5968	1.976	ug/L	96

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

