

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055742.D
 Acq On : 11 Oct 2023 12:32
 Operator : MD/SY
 Sample : 04696-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2023-08

Quant Time: Oct 12 02:13:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	411283	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	418084	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	209053	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	149071	40.409	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.820%		
7) Chloroethane-d5	1.885	69	128023	42.455	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.900%		
11) 1,1-Dichloroethene-d2	2.557	63	214676	32.637	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	65.280%		
21) 2-Butanone-d5	4.615	46	255356	93.416	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.420%		
24) Chloroform-d	5.055	84	309189	43.719	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.440%		
26) 1,2-Dichloroethane-d4	5.695	65	213721	49.096	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.200%		
32) Benzene-d6	5.721	84	613248	45.844	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.680%		
36) 1,2-Dichloropropane-d6	6.685	67	195117	46.074	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.140%		
41) Toluene-d8	7.894	98	534402	44.243	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.480%		
43) trans-1,3-Dichloroprop...	8.177	79	92424	45.434	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.860%		
47) 2-Hexanone-d5	8.631	63	174068	104.557	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.560%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	337678	51.804	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	103.600%		
66) 1,2-Dichlorobenzene-d4	12.190	152	212705	51.272	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.540%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5997	1.751	ug/L	98
3) Chloromethane	1.518	50	7120	2.197	ug/L	91
5) Vinyl chloride	1.602	62	7370	2.067	ug/L #	61
6) Bromomethane	1.830	94	3670	1.610	ug/L	94
8) Chloroethane	1.907	64	4683	2.002	ug/L	99
9) Trichlorofluoromethane	2.126	101	9921	1.947	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	7727	2.358	ug/L #	78
12) 1,1-Dichloroethene	2.570	96	6775	2.324	ug/L #	1
13) Acetone	2.624	43	9551	3.765	ug/L	95
14) Carbon disulfide	2.782	76	15021	1.693	ug/L	100
15) Methyl Acetate	2.946	43	7106	1.829	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	5325	1.786	ug/L	98
18) Methyl tert-butyl Ether	3.361	73	17527	1.828	ug/L	97
19) 1,1-Dichloroethane	3.859	63	11370	1.860	ug/L	100
20) cis-1,2-Dichloroethene	4.666	96	6870	2.019	ug/L	76
22) 2-Butanone	4.714	43	13394m	4.381	ug/L	
23) Bromochloromethane	4.975	128	3288m	1.866	ug/L	
25) Chloroform	5.081	83	14106	2.208	ug/L	99
27) 1,2-Dichloroethane	5.792	62	10332	2.022	ug/L #	92

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29) Cyclohexane	5.380	56	8454	1.764	ug/L #	88
30) 1,1,1-Trichloroethane	5.309	97	10099	1.870	ug/L	97
31) Carbon tetrachloride	5.525	117	8996m	1.903	ug/L	
33) Benzene	5.769	78	24848	1.880	ug/L	100
34) Trichloroethene	6.537	95	7056	1.951	ug/L	92
35) Methylcyclohexane	6.759	83	9370	1.786	ug/L	96
37) 1,2-Dichloropropane	6.791	63	7768	2.135	ug/L #	96
38) Bromodichloromethane	7.103	83	8877	1.850	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	9944	1.796	ug/L	92
40) 4-Methyl-2-pentanone	7.791	43	19320	3.816	ug/L	97
42) Toluene	7.968	91	26624	1.909	ug/L	94
44) trans-1,3-Dichloropropene	8.209	75	9837	1.857	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	6722	1.873	ug/L	91
46) Tetrachloroethene	8.550	164	4595	1.775	ug/L	96
48) 2-Hexanone	8.685	43	44092	10.311	ug/L #	88
49) Dibromochloromethane	8.807	129	6490	1.770	ug/L	85
50) 1,2-Dibromoethane	8.923	107	7161	1.858	ug/L #	92
51) Chlorobenzene	9.444	112	17420	1.931	ug/L	99
52) Ethylbenzene	9.569	91	25741	1.688	ug/L	98
53) m,p-Xylene	9.695	106	9503	1.664	ug/L	78
54) o-Xylene	10.100	106	10289	1.862	ug/L	94
55) Styrene	10.116	104	15248	1.628	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	14820	2.412	ug/L #	97
59) Bromoform	10.290	173	5365	2.085	ug/L #	89
60) 1,2,3-Trichloropropane	10.820	75	11499	2.534	ug/L	99
61) Isopropylbenzene	10.483	105	23131	1.775	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	17982	1.705	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	18003	1.726	ug/L	95
64) 1,3-Dichlorobenzene	11.746	146	12933	2.007	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	13661	2.062	ug/L	91
67) 1,2-Dichlorobenzene	12.212	146	13914	2.176	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.000	75	2202	1.623	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.222	180	8551	1.990	ug/L	94
70) 1,2,4-trichlorobenzene	13.849	180	6085	1.700	ug/L	97
71) Naphthalene	14.093	128	20834m	1.959	ug/L	
72) 1,2,3-Trichlorobenzene	14.335	180	5842	1.655	ug/L	96

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

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