

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040623\
 Data File : VU053589.D
 Acq On : 06 Apr 2023 12:54
 Operator : JC/MD
 Sample : 02215-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Apr 07 03:45:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	250684	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	237107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	124390	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	96954	49.670	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.340%		
7) Chloroethane-d5	1.909	69	78087	51.884	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.760%		
11) 1,1-Dichloroethene-d2	2.565	63	116086	38.419	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	76.840%		
21) 2-Butanone-d5	4.613	46	104424	118.157	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.160%		
24) Chloroform-d	5.057	84	155028	48.023	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.040%		
26) 1,2-Dichloroethane-d4	5.697	65	103863	54.448	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.900%		
32) Benzene-d6	5.723	84	320912	50.141	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.280%		
36) 1,2-Dichloropropane-d6	6.687	67	101661	51.968	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.940%		
41) Toluene-d8	7.893	98	305593	48.040	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.080%		
43) trans-1,3-Dichloroprop...	8.176	79	49092	48.616	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.240%		
47) 2-Hexanone-d5	8.629	63	76827	115.073	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	115.070%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141846	51.445	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.900%		
66) 1,2-Dichlorobenzene-d4	12.188	152	121029	46.613	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.220%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	3681	1.809	ug/L	96
3) Chloromethane	1.520	50	4049	2.422	ug/L	97
5) Vinyl chloride	1.604	62	4541	2.344	ug/L #	61
6) Bromomethane	1.851	94	2984	2.117	ug/L	91
8) Chloroethane	1.932	64	2761	2.369	ug/L	95
9) Trichlorofluoromethane	2.137	101	5757	1.932	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	4098	2.374	ug/L #	79
12) 1,1-Dichloroethene	2.572	96	4058	2.638	ug/L #	1
13) Acetone	2.623	43	3055	3.846	ug/L	78
14) Carbon disulfide	2.790	76	7798	1.916	ug/L	96
15) Methyl Acetate	2.945	43	2859	2.350	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	3378m	2.185	ug/L	
18) Methyl tert-butyl Ether	3.359	73	8929	1.982	ug/L	94
19) 1,1-Dichloroethane	3.870	63	5072	1.981	ug/L #	92
20) cis-1,2-Dichloroethene	4.665	96	3786	2.120	ug/L	95
22) 2-Butanone	4.706	43	3913m	4.067	ug/L	
23) Bromochloromethane	4.973	128	1732	1.741	ug/L #	84
25) Chloroform	5.083	83	7899	2.689	ug/L	89
27) 1,2-Dichloroethane	5.787	62	5033	2.340	ug/L	97

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29) Cyclohexane	5.385	56	4465	1.956	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	4667	1.786	ug/L	95
31) Carbon tetrachloride	5.526	117	3988	1.704	ug/L	99
33) Benzene	5.774	78	12784	2.069	ug/L	100
34) Trichloroethene	6.539	95	3616	1.935	ug/L	90
35) Methylcyclohexane	6.758	83	5660	2.061	ug/L #	82
37) 1,2-Dichloropropane	6.790	63	3479	2.218	ug/L #	86
38) Bromodichloromethane	7.102	83	3764	1.799	ug/L	92
39) cis-1,3-Dichloropropene	7.607	75	5027	1.961	ug/L	85
40) 4-Methyl-2-pentanone	7.790	43	6885	4.039	ug/L	99
42) Toluene	7.967	91	13286	1.898	ug/L	94
44) trans-1,3-Dichloropropene	8.208	75	4390	1.812	ug/L	96
45) 1,1,2-Trichloroethane	8.398	97	3620	2.102	ug/L	95
46) Tetrachloroethene	8.549	164	3059	1.973	ug/L	92
48) 2-Hexanone	8.681	43	8195	5.943	ug/L	96
49) Dibromochloromethane	8.806	129	2880	1.608	ug/L	100
50) 1,2-Dibromoethane	8.922	107	3543	1.839	ug/L #	98
51) Chlorobenzene	9.446	112	9763	2.024	ug/L	92
52) Ethylbenzene	9.568	91	14407	1.849	ug/L	95
53) m,p-Xylene	9.690	106	5408	1.774	ug/L	97
54) o-xylene	10.099	106	5209	1.729	ug/L	79
55) Styrene	10.115	104	8861	1.805	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	5732	2.267	ug/L #	89
59) Bromoform	10.288	173	1939	1.523	ug/L #	91
60) 1,2,3-Trichloropropane	10.819	75	3975	2.204	ug/L	93
61) Isopropylbenzene	10.481	105	14057	1.911	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	11140	1.822	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	11158	1.843	ug/L	93
64) 1,3-Dichlorobenzene	11.745	146	7800	2.030	ug/L	91
65) 1,4-Dichlorobenzene	11.832	146	8451	2.158	ug/L	91
67) 1,2-Dichlorobenzene	12.208	146	7737	2.020	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.996	75	820m	1.705	ug/L	
69) 1,3,5-Trichlorobenzene	13.217	180	5011m	1.761	ug/L	
70) 1,2,4-trichlorobenzene	13.841	180	5595	2.121	ug/L	96
71) Naphthalene	14.089	128	16058	2.033	ug/L	97
72) 1,2,3-Trichlorobenzene	14.330	180	5264	1.998	ug/L	95

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

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