

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082622\
 Data File : VU050455.D
 Acq On : 26 Aug 2022 14:26
 Operator : SY/MD
 Sample : N4015-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT3-2022-05

Quant Time: Aug 27 04:58:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM082422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 27 02:44:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa
 Patel

08/27/2022

Supervised By :Semsetun
 Yesilyurt

08/27/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	312349	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	309907	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	119976	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	166902	45.190	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.380%		
7) Chloroethane-d5	1.896	69	132844	48.610	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.220%		
11) 1,1-Dichloroethene-d2	2.559	63	190853	36.566	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.140%		
21) 2-Butanone-d5	4.623	46	233491	96.587	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.590%		
24) Chloroform-d	5.060	84	263880	44.509	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.020%		
26) 1,2-Dichloroethane-d4	5.700	65	170907	46.383	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.760%		
32) Benzene-d6	5.726	84	543340	47.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
36) 1,2-Dichloropropane-d6	6.690	67	177087	46.682	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.360%		
41) Toluene-d8	7.899	98	447001	44.612	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.220%		
43) trans-1,3-Dichloroprop...	8.179	79	68996	43.602	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.200%		
47) 2-Hexanone-d5	8.633	63	128495	91.276	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	91.280%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	270228	46.185	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.360%		
66) 1,2-Dichlorobenzene-d4	12.195	152	145806	50.875	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	4919	2.015	ug/L	90
3) Chloromethane	1.517	50	8921	3.139	ug/L	95
5) Vinyl chloride	1.601	62	6406	2.306	ug/L #	56
6) Bromomethane	1.835	94	2776	2.702	ug/L	97
8) Chloroethane	1.922	64	3774	2.236	ug/L #	77
9) Trichlorofluoromethane	2.131	101	7238	2.047	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	6105	2.817	ug/L #	82
12) 1,1-Dichloroethene	2.572	96	5479	2.860	ug/L #	1
13) Acetone	2.626	43	7206	4.534	ug/L	92
14) Carbon disulfide	2.787	76	8750	1.790	ug/L	97
15) Methyl Acetate	2.954	43	6182	2.162	ug/L	96
16) Methylene chloride	3.041	84	7631	2.858	ug/L	96
17) trans-1,2-Dichloroethene	3.353	96	4010	1.991	ug/L	86
18) Methyl tert-butyl Ether	3.363	73	14177	2.224	ug/L	97
19) 1,1-Dichloroethane	3.867	63	9216	2.112	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	5013	2.078	ug/L	89
22) 2-Butanone	4.713	43	10948	5.082	ug/L	81
23) Bromochloromethane	4.980	128	2785m	2.114	ug/L	
25) Chloroform	5.086	83	11866	2.552	ug/L	100

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27) 1,2-Dichloroethane	5.797	62	8169	2.356	ug/L	96
29) Cyclohexane	5.382	56	4944	1.734	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	7034	1.984	ug/L	95
31) Carbon tetrachloride	5.527	117	5944	2.043	ug/L	94
33) Benzene	5.771	78	19656	2.095	ug/L	100
34) Trichloroethene	6.543	95	4756	2.141	ug/L	95
35) Methylcyclohexane	6.761	83	5715	1.840	ug/L	91
37) 1,2-Dichloropropane	6.793	63	5924	2.174	ug/L #	93
38) Bromodichloromethane	7.108	83	7314	2.103	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	6724	1.879	ug/L	91
40) 4-Methyl-2-pentanone	7.793	43	14609	4.034	ug/L	95
42) Toluene	7.970	91	20249	2.142	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	6519	1.954	ug/L	97
45) 1,1,2-Trichloroethane	8.401	97	5751	2.144	ug/L	97
46) Tetrachloroethene	8.559	164	2976	1.824	ug/L	94
48) 2-Hexanone	8.684	43	25326	8.373	ug/L	96
49) Dibromochloromethane	8.813	129	5836	2.101	ug/L	90
50) 1,2-Dibromoethane	8.925	107	5558	2.074	ug/L #	98
51) Chlorobenzene	9.446	112	12308	1.984	ug/L	94
52) Ethylbenzene	9.571	91	16584	1.741	ug/L	97
53) m,p-Xylene	9.697	106	6093	1.712	ug/L	87
54) o-Xylene	10.102	106	5956	1.685	ug/L	85
55) Styrene	10.118	104	9317	1.549	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.784	83	11581	2.363	ug/L #	93
59) Bromoform	10.292	173	3927	2.286	ug/L #	95
60) 1,2,3-Trichloropropane	10.822	75	7762	2.511	ug/L	98
61) Isopropylbenzene	10.485	105	13751	1.853	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	10188	1.700	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	9253	1.583	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	7829	2.158	ug/L	93
65) 1,4-Dichlorobenzene	11.835	146	7784	2.130	ug/L	92
67) 1,2-Dichlorobenzene	12.211	146	9167	2.402	ug/L #	85
68) 1,2-Dibromo-3-chloropr...	12.999	75	1992	2.424	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.224	180	5235	2.093	ug/L	94
70) 1,2,4-trichlorobenzene	13.845	180	3640	1.817	ug/L	90
71) Naphthalene	14.095	128	11272	1.715	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.330	180	4047	1.849	ug/L	96

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

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