Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090922\
Data File : VU050702.D
Acq On : 09 Sep 2022 15:11
Operator : SY/MD
Sample : N4519-05
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2022-07

Quant Time: Sep 10 01:45:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 10 01:20:12 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	321319	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	324604	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	124614	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	84245	30.654	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 61.300%			
7) Chloroethane-d5	1.906	69	71259	38.342	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 76.680%			
11) 1,1-Dichloroethene-d2	2.565	63	138466	28.511	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 57.020%#			
21) 2-Butanone-d5	4.623	46	185831	92.420	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.420%			
24) Chloroform-d	5.063	84	230281	44.210	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.420%			
26) 1,2-Dichloroethane-d4	5.700	65	146378	45.988	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.980%			
32) Benzene-d6	5.726	84	434578	40.512	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 81.020%			
36) 1,2-Dichloropropane-d6	6.690	67	148930	42.287	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 84.580%			
41) Toluene-d8	7.899	98	364974	39.786	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 79.580%#			
43) trans-1,3-Dichloroprop...	8.179	79	62200	42.684	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.360%			
47) 2-Hexanone-d5	8.632	63	72527	81.869	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 81.870%			
56) 1,1,2,2-Tetrachloroeth...	10.754	84	238555	44.760	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.520%			
66) 1,2-Dichlorobenzene-d4	12.195	152	131317	45.016	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	5229m	1.694	ug/L	
3) Chloromethane	1.523	50	6263m	1.878	ug/L	
5) Vinyl chloride	1.604	62	4792	1.525	ug/L #	64
6) Bromomethane	1.848	94	2555	1.612	ug/L	94
8) Chloroethane	1.928	64	2187	1.311	ug/L	99
9) Trichlorofluoromethane	2.134	101	6989	1.826	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	5483	2.184	ug/L #	85
12) 1,1-Dichloroethene	2.575	96	5455	2.236	ug/L #	1
13) Acetone	2.626	43	5312	3.502	ug/L	96
14) Carbon disulfide	2.793	76	12130	1.677	ug/L #	87
15) Methyl Acetate	2.954	43	5118	1.595	ug/L	94
16) Methylene chloride	3.044	84	6361	1.987	ug/L	95
17) trans-1,2-Dichloroethene	3.353	96	4167	1.611	ug/L	97
18) Methyl tert-butyl Ether	3.362	73	12764	1.591	ug/L	93
19) 1,1-Dichloroethane	3.870	63	8127	1.628	ug/L	90
20) cis-1,2-Dichloroethene	4.665	96	4649	1.593	ug/L	99
22) 2-Butanone	4.710	43	10556m	4.450	ug/L	
23) Bromochloromethane	4.973	128	2940	1.949	ug/L #	78
27) 1,2-Dichloroethane	5.796	62	7239	1.921	ug/L	97

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Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Cyclohexane	5.385	56	5542	1.275	ug/L		91
30) 1,1,1-Trichloroethane	5.321	97	7996	1.829	ug/L	#	82
31) Carbon tetrachloride	5.523	117	6888	1.923	ug/L		93
33) Benzene	5.774	78	19548	1.655	ug/L		100
35) Methylcyclohexane	6.764	83	7240	1.654	ug/L		91
37) 1,2-Dichloropropane	6.790	63	5930	1.900	ug/L		98
38) Bromodichloromethane	7.105	83	6811	1.856	ug/L	#	98
39) cis-1,3-Dichloropropene	7.610	75	6822	1.615	ug/L		92
40) 4-Methyl-2-pentanone	7.793	43	11952	2.811	ug/L		98
42) Toluene	7.973	91	19334	1.611	ug/L		98
44) trans-1,3-Dichloropropene	8.214	75	6764m	1.707	ug/L		
45) 1,1,2-Trichloroethane	8.401	97	5212	1.739	ug/L		93
46) Tetrachloroethene	8.555	164	3730	1.855	ug/L		90
48) 2-Hexanone	8.684	43	48045m	12.107	ug/L		
49) Dibromochloromethane	8.809	129	5166	1.807	ug/L		93
50) 1,2-Dibromoethane	8.928	107	5568	1.827	ug/L		88
51) Chlorobenzene	9.449	112	13294	1.785	ug/L		89
52) Ethylbenzene	9.571	91	17446	1.472	ug/L		95
53) m,p-Xylene	9.693	106	6248	1.376	ug/L		95
54) o-Xylene	10.098	106	5830	1.289	ug/L		97
55) Styrene	10.118	104	9549	1.284	ug/L		94
57) 1,1,2,2-Tetrachloroethane	10.780	83	10169	1.905	ug/L	#	91
59) Bromoform	10.295	173	3594	1.933	ug/L		95
60) 1,2,3-Trichloropropane	10.825	75	7721	2.112	ug/L		95
61) Isopropylbenzene	10.484	105	14108	1.430	ug/L		99
62) 1,3,5-Trimethylbenzene	11.089	105	11405	1.352	ug/L		97
63) 1,2,4-Trimethylbenzene	11.468	105	10446	1.290	ug/L		98
64) 1,3-Dichlorobenzene	11.745	146	7830	1.804	ug/L		97
65) 1,4-Dichlorobenzene	11.835	146	8083	1.884	ug/L		98
67) 1,2-Dichlorobenzene	12.214	146	9028	1.953	ug/L		91
69) 1,3,5-Trichlorobenzene	13.221	180	5042	1.601	ug/L		99

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

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