Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041023\
Data File : VX034995.D
Acq On : 10 Apr 2023 15:15
Operator : JC/MD
Sample : 02215-05
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations APPROVED

Reviewed By :John Carlone 04/11/2023
Supervised By :Semsettin Yesilyurt 04/11/2023

Quant Time: Apr 11 05:50:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM041023WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 11 05:31:31 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	504916	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	441087	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	207983	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	142560	42.390	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 84.780%			
7) Chloroethane-d5	1.672	69	110339	44.794	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.580%			
11) 1,1-Dichloroethene-d2	2.306	63	225924	33.141	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.280%			
21) 2-Butanone-d5	4.465	46	221609	99.146	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.150%			
24) Chloroform-d	5.050	84	278816	43.505	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.020%			
26) 1,2-Dichloroethane-d4	5.952	65	203393	46.232	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.460%			
32) Benzene-d6	5.970	84	567285	46.071	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.140%			
36) 1,2-Dichloropropane-d6	7.306	67	178620	47.156	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 94.320%			
41) Toluene-d8	8.647	98	509715	45.195	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 90.400%			
43) trans-1,3-Dichloroprop...	8.952	79	72493	41.675	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 83.360%			
47) 2-Hexanone-d5	9.384	63	148214	97.898	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.900%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	217931	46.297	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 92.600%			
66) 1,2-Dichlorobenzene-d4	12.323	152	180633	47.330	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	11711	2.671	ug/L	97
3) Chloromethane	1.294	50	11322	2.747	ug/L	98
5) Vinyl chloride	1.374	62	11357	2.719	ug/L #	82
6) Bromomethane	1.617	94	6732	2.852	ug/L	91
8) Chloroethane	1.691	64	6235	2.652	ug/L	89
9) Trichlorofluoromethane	1.886	101	15088	2.596	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	12279	3.405	ug/L	86
12) 1,1-Dichloroethene	2.319	96	9881	3.078	ug/L #	1
13) Acetone	2.398	43	13076	5.917	ug/L	98
14) Carbon disulfide	2.514	76	20687	2.397	ug/L	98
15) Methyl Acetate	2.709	43	11157	2.941	ug/L	100
16) Methylene chloride	2.794	84	11546	3.278	ug/L	93
17) trans-1,2-Dichloroethene	3.087	96	8606	2.607	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	31955	2.769	ug/L	99
19) 1,1-Dichloroethane	3.605	63	17397	2.647	ug/L	99
20) cis-1,2-Dichloroethene	4.477	96	10033	2.657	ug/L	86
22) 2-Butanone	4.586	43	16419m	5.816	ug/L	
23) Bromochloromethane	4.904	128	4794	2.566	ug/L	79
25) Chloroform	5.093	83	22334	3.313	ug/L	94

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Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	6.092	62	15643	2.740	ug/L		97
29) Cyclohexane	5.470	56	16711	2.755	ug/L		98
30) 1,1,1-Trichloroethane	5.385	97	14582	2.500	ug/L		99
31) Carbon tetrachloride	5.672	117	12216	2.430	ug/L		99
33) Benzene	6.037	78	39254	2.791	ug/L		100
34) Trichloroethene	7.129	95	9677	2.552	ug/L		90
35) Methylcyclohexane	7.379	83	14960	2.736	ug/L		99
37) 1,2-Dichloropropane	7.434	63	9931	2.664	ug/L		99
38) Bromodichloromethane	7.824	83	11216	2.378	ug/L		96
39) cis-1,3-Dichloropropene	8.366	75	14381	2.525	ug/L		99
40) 4-Methyl-2-pentanone	8.574	43	26669	5.385	ug/L		99
42) Toluene	8.720	91	39450	2.708	ug/L		100
44) trans-1,3-Dichloropropene	8.976	75	13363m	2.548	ug/L		
45) 1,1,2-Trichloroethane	9.153	97	9929	2.857	ug/L		96
46) Tetrachloroethene	9.275	164	7505	2.656	ug/L		93
48) 2-Hexanone	9.433	43	23135	5.959	ug/L		97
49) Dibromochloromethane	9.519	129	8001	2.340	ug/L		97
50) 1,2-Dibromoethane	9.610	107	9807	2.689	ug/L	#	94
51) Chlorobenzene	10.079	112	25404	2.705	ug/L		96
52) Ethylbenzene	10.195	91	43600	2.637	ug/L		99
53) m,p-Xylene	10.299	106	16461	2.642	ug/L		98
54) o-Xylene	10.640	106	15630	2.547	ug/L		87
55) Styrene	10.659	104	24729	2.403	ug/L		96
57) 1,1,2,2-Tetrachloroethane	11.213	83	15189	2.943	ug/L	#	97
59) Bromoform	10.799	173	4751	2.143	ug/L		99
60) Isopropylbenzene	10.963	105	41578	2.737	ug/L		98
61) 1,2,3-Trichloropropane	11.238	75	11390	2.856	ug/L		96
62) 1,3,5-Trimethylbenzene	11.451	105	32856	2.609	ug/L		99
63) 1,2,4-Trimethylbenzene	11.750	105	33013	2.655	ug/L		99
64) 1,3-Dichlorobenzene	11.969	146	18701	2.764	ug/L		95
65) 1,4-Dichlorobenzene	12.042	146	19742	2.886	ug/L		96
67) 1,2-Dichlorobenzene	12.335	146	18653	2.798	ug/L		92
68) 1,2-Dibromo-3-chloropr...	12.945	75	2344	2.296	ug/L		90
69) 1,3,5-Trichlorobenzene	13.115	180	11274	2.664	ug/L		98
70) 1,2,4-trichlorobenzene	13.591	180	10813	2.747	ug/L		97
71) Naphthalene	13.774	128	33423	2.484	ug/L		99
72) 1,2,3-Trichlorobenzene	13.963	180	10641	2.692	ug/L		100

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

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