Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120523\
Data File : VV033105.D
Acq On : 05 Dec 2023 13:11
Operator : SY/MD
Sample : 04696-06
Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Dec 06 01:27:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 06 01:18:11 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	5.532	114	308158	50.000	ug/L		0.00
28) Chlorobenzene-d5	8.783	117	305516	50.000	ug/L		0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	171832	50.000	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.278	65	73231	39.753	ug/L		0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 79.500%				
7) Chloroethane-d5	1.532	69	54476	42.441	ug/L		0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 84.880%				
11) 1,1-Dichloroethene-d2	2.060	65	28573	40.772	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.540%				
21) 2-Butanone-d5	3.780	46	88143	96.334	ug/L		0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 96.330%				
24) Chloroform-d	4.249	84	169083	43.250	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.500%				
26) 1,2-Dichloroethane-d4	4.941	65	110709	45.548	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.100%				
32) Benzene-d6	4.960	84	318105	44.519	ug/L		0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.040%				
36) 1,2-Dichloropropane-d6	5.989	67	88865	46.255	ug/L		0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 92.500%				
41) Toluene-d8	7.243	98	295810	43.398	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 86.800%				
43) trans-1,3-Dichloroprop...	7.551	79	51702	42.558	ug/L		0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.120%				
47) 2-Hexanone-d5	8.021	63	72846	94.383	ug/L		0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 94.380%				
56) 1,1,2,2-Tetrachloroeth...	10.153	84	131036	47.980	ug/L		0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 95.960%				
66) 1,2-Dichlorobenzene-d4	11.561	152	145090	47.457	ug/L		0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.920%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.105	85	6767	2.009	ug/L		99
3) Chloromethane	1.214	50	4412	1.986	ug/L		98
5) Vinyl chloride	1.285	62	4087	1.918	ug/L	#	60
6) Bromomethane	1.487	94	2995	2.154	ug/L		85
8) Chloroethane	1.549	64	2033	1.792	ug/L	#	81
9) Trichlorofluoromethane	1.716	101	7241	2.060	ug/L		99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	4193	2.540	ug/L		87
12) 1,1-Dichloroethene	2.066	96	4226	2.735	ug/L	#	1
13) Acetone	2.114	43	3722	4.261	ug/L		96
14) Carbon disulfide	2.243	76	10650	1.921	ug/L	#	94
15) Methyl Acetate	2.381	43	2922	2.007	ug/L	#	87
16) Methylene chloride	2.449	84	4217	2.061	ug/L		92
17) trans-1,2-Dichloroethene	2.700	96	3763	1.855	ug/L		100
18) Methyl tert-butyl Ether	2.703	73	11895	1.930	ug/L		98
19) 1,1-Dichloroethane	3.111	63	6627	1.974	ug/L		95
20) cis-1,2-Dichloroethene	3.818	96	4447	2.066	ug/L		92
22) 2-Butanone	3.905	43	4737m	4.261	ug/L		
23) Bromochloromethane	4.156	128	2560m	2.071	ug/L		
25) Chloroform	4.272	83	8044m	2.083	ug/L		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	5.050	62	6422m	2.105	ug/L		
29) Cyclohexane	4.590	56	5383m	1.908	ug/L		
30) 1,1,1-Trichloroethane	4.513	97	7227m	1.914	ug/L		
31) Carbon tetrachloride	4.735	117	6948	1.979	ug/L		98
33) Benzene	5.021	78	15488m	2.001	ug/L		
34) Trichloroethene	5.841	95	4891	2.115	ug/L		94
35) Methylcyclohexane	6.050	83	6788	2.022	ug/L		98
37) 1,2-Dichloropropane	6.098	63	3970m	2.216	ug/L		
38) Bromodichloromethane	6.439	83	5881	2.036	ug/L		100
39) cis-1,3-Dichloropropene	6.963	75	6390	1.965	ug/L		90
40) 4-Methyl-2-pentanone	7.169	43	6213m	3.266	ug/L		
42) Toluene	7.323	91	17468	2.002	ug/L		85
44) trans-1,3-Dichloropropene	7.587	75	6842m	2.081	ug/L		
45) 1,1,2-Trichloroethane	7.780	97	3846	1.851	ug/L		86
46) Tetrachloroethene	7.912	164	3986	2.005	ug/L		93
48) 2-Hexanone	8.082	43	10621m	6.734	ug/L		
49) Dibromochloromethane	8.178	129	5333	2.150	ug/L		99
50) 1,2-Dibromoethane	8.291	107	4145	1.871	ug/L	#	94
51) Chlorobenzene	8.815	112	13108	2.137	ug/L		97
52) Ethylbenzene	8.953	91	18263	1.819	ug/L		97
53) m,p-Xylene	9.079	106	6833	1.718	ug/L		99
54) o-Xylene	9.484	106	6738	1.717	ug/L		100
55) Styrene	9.503	104	11489	1.692	ug/L		93
57) 1,1,2,2-Tetrachloroethane	10.178	83	6562	2.312	ug/L	#	86
59) Bromoform	9.667	173	3596	1.928	ug/L	#	97
60) Isopropylbenzene	9.870	105	18409	1.858	ug/L		97
61) 1,2,3-Trichloropropane	10.211	75	4561	2.129	ug/L		98
62) 1,3,5-Trimethylbenzene	10.481	105	13739	1.721	ug/L		95
63) 1,2,4-Trimethylbenzene	10.857	105	14630	1.760	ug/L		95
64) 1,3-Dichlorobenzene	11.120	146	10508	1.985	ug/L		97
65) 1,4-Dichlorobenzene	11.210	146	11661	2.121	ug/L		98
67) 1,2-Dichlorobenzene	11.580	146	10949	2.110	ug/L		97
68) 1,2-Dibromo-3-chloropr...	12.365	75	1198	1.822	ug/L		89
69) 1,3,5-Trichlorobenzene	12.587	180	8026	1.893	ug/L		98
70) 1,2,4-trichlorobenzene	13.201	180	7708	1.968	ug/L		97
71) Naphthalene	13.445	128	19204	2.010	ug/L		97
72) 1,2,3-Trichlorobenzene	13.683	180	6958	1.841	ug/L		96

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

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