Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111822\
Data File : VU051901.D
Acq On : 18 Nov 2022 13:17
Operator : JC/MD
Sample : MDL07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Quant Time: Nov 18 14:08:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 18 00:53:49 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	472915	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	467832	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	189915	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	97475	41.985	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 83.960%			
7) Chloroethane-d5	1.906	69	106936	45.971	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 91.940%			
11) 1,1-Dichloroethene-d2	2.565	63	126765	30.448	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 60.900%			
21) 2-Butanone-d5	4.616	46	274976	104.157	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.160%			
24) Chloroform-d	5.060	84	268565	46.145	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.300%			
26) 1,2-Dichloroethane-d4	5.700	65	175459	49.250	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.500%			
32) Benzene-d6	5.726	84	479119	49.118	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 98.240%			
36) 1,2-Dichloropropane-d6	6.687	67	184955	50.939	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 101.880%			
41) Toluene-d8	7.896	98	365817	45.690	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.380%			
43) trans-1,3-Dichloroprop...	8.176	79	67203	46.468	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.940%			
47) 2-Hexanone-d5	8.629	63	181597	98.410	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 98.410%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	342805	48.510	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.020%			
66) 1,2-Dichlorobenzene-d4	12.192	152	176037	52.671	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	6258	2.155	ug/L	99
3) Chloromethane	1.527	50	12244	3.176	ug/L	100
5) Vinyl chloride	1.604	62	8908	2.227	ug/L #	13
6) Bromomethane	1.845	94	3966	2.289	ug/L	100
8) Chloroethane	1.928	64	6057	2.329	ug/L	94
9) Trichlorofluoromethane	2.137	101	11229	2.345	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	8677	2.875	ug/L #	88
12) 1,1-Dichloroethene	2.578	96	7951	2.821	ug/L #	1
13) Acetone	2.623	43	10607	3.755	ug/L	94
14) Carbon disulfide	2.793	76	17732	2.271	ug/L	100
15) Methyl Acetate	2.948	43	9056	2.352	ug/L	95
16) Methylene chloride	3.047	84	12193	2.710	ug/L	96
17) trans-1,2-Dichloroethene	3.356	96	6847	2.254	ug/L	91
18) Methyl tert-butyl Ether	3.362	73	21310	2.267	ug/L #	91
19) 1,1-Dichloroethane	3.874	63	14318	2.316	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	8233	2.323	ug/L	98
22) 2-Butanone	4.713	43	11125	3.488	ug/L	83
23) Bromochloromethane	4.980	128	4607	2.355	ug/L	95
25) Chloroform	5.086	83	19086	2.959	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	5.796	62	11828	2.482	ug/L		95
29) Cyclohexane	5.385	56	8622	2.160	ug/L		96
30) 1,1,1-Trichloroethane	5.311	97	11670	2.467	ug/L		99
31) Carbon tetrachloride	5.523	117	9917	2.508	ug/L		97
33) Benzene	5.774	78	33939	2.522	ug/L		100
34) Trichloroethene	6.542	95	7616	2.389	ug/L		93
35) Methylcyclohexane	6.758	83	9922	2.295	ug/L		96
37) 1,2-Dichloropropane	6.793	63	9156	2.403	ug/L	#	97
38) Bromodichloromethane	7.105	83	11288	2.368	ug/L		97
39) cis-1,3-Dichloropropene	7.607	75	11413	2.290	ug/L		96
40) 4-Methyl-2-pentanone	7.790	43	20722	4.130	ug/L		97
42) Toluene	7.970	91	32000	2.312	ug/L		100
44) trans-1,3-Dichloropropene	8.208	75	13224	2.769	ug/L		92
45) 1,1,2-Trichloroethane	8.401	97	8670	2.239	ug/L		93
46) Tetrachloroethene	8.549	164	5462	2.145	ug/L		94
48) 2-Hexanone	8.684	43	23971	5.562	ug/L		93
49) Dibromochloromethane	8.806	129	9166	2.296	ug/L		99
50) 1,2-Dibromoethane	8.922	107	8803	2.258	ug/L	#	95
51) Chlorobenzene	9.446	112	21347	2.257	ug/L		99
52) Ethylbenzene	9.571	91	29401	2.076	ug/L		98
53) m,p-Xylene	9.693	106	10405	1.898	ug/L		97
54) o-Xylene	10.099	106	10180	1.824	ug/L		97
55) Styrene	10.115	104	15416	1.601	ug/L		97
57) 1,1,2,2-Tetrachloroethane	10.780	83	17817	2.435	ug/L	#	96
59) Bromoform	10.288	173	6796	2.639	ug/L	#	96
60) 1,2,3-Trichloropropane	10.819	75	13261	2.919	ug/L		96
61) Isopropylbenzene	10.484	105	24080	2.169	ug/L		99
62) 1,3,5-Trimethylbenzene	11.086	105	17528	1.938	ug/L		97
63) 1,2,4-Trimethylbenzene	11.465	105	15927	1.802	ug/L		99
64) 1,3-Dichlorobenzene	11.745	146	12726	2.262	ug/L		97
65) 1,4-Dichlorobenzene	11.835	146	14062	2.468	ug/L		97
67) 1,2-Dichlorobenzene	12.208	146	15756	2.634	ug/L		95
68) 1,2-Dibromo-3-chloropr...	12.996	75	3097	2.663	ug/L		89
69) 1,3,5-Trichlorobenzene	13.221	180	9019	2.416	ug/L		96
70) 1,2,4-trichlorobenzene	13.844	180	6436	2.176	ug/L		93
71) Naphthalene	14.089	128	18190	1.870	ug/L		97
72) 1,2,3-Trichlorobenzene	14.330	180	7090	2.190	ug/L		97

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

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