Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052824\
Data File : VU059019.D
Acq On : 28 May 2024 09:55
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050163

Quant Time: May 29 02:36:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 27 04:10:55 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	189280	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	185704	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	88004	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	88584	44.250	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.500%			
7) Chloroethane-d5	1.904	69	70829	42.572	ug/L	0.03
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.140%			
11) 1,1-Dichloroethene-d2	2.560	63	133636	43.693	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 87.380%			
21) 2-Butanone-d5	4.608	46	139236	101.254	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.250%			
24) Chloroform-d	5.055	84	149620	43.573	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.140%			
26) 1,2-Dichloroethane-d4	5.692	65	94409	44.956	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.920%			
32) Benzene-d6	5.721	84	298715	47.182	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.360%			
36) 1,2-Dichloropropane-d6	6.682	67	99682	47.669	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.340%			
41) Toluene-d8	7.891	98	262644	46.282	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.560%			
43) trans-1,3-Dichloroprop...	8.174	79	43496	46.323	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.640%			
47) 2-Hexanone-d5	8.624	63	83576	96.636	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.640%			
56) 1,1,2,2-Tetrachloroeth...	10.749	84	142194	45.200	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.400%			
66) 1,2-Dichlorobenzene-d4	12.187	152	87821	48.363	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	49503	39.090	ug/L	98
3) Chloromethane	1.515	50	57094	42.074	ug/L	99
5) Vinyl chloride	1.599	62	64007	40.392	ug/L	99
6) Bromomethane	1.846	94	36981	39.373	ug/L	96
8) Chloroethane	1.923	64	44604	41.045	ug/L	96
9) Trichlorofluoromethane	2.132	101	92170	42.764	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	61596	42.042	ug/L	96
12) 1,1-Dichloroethene	2.573	96	45803	39.061	ug/L	80
13) Acetone	2.612	43	126817	104.599	ug/L	98
14) Carbon disulfide	2.785	76	81523	36.954	ug/L	100
15) Methyl Acetate	2.936	43	95584	48.921	ug/L	99
16) Methylene chloride	3.036	84	67746	36.219	ug/L	93
17) trans-1,2-Dichloroethene	3.345	96	47122	40.002	ug/L	92
18) Methyl tert-butyl Ether	3.351	73	215253	46.165	ug/L	99
19) 1,1-Dichloroethane	3.859	63	135224	45.062	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	65973	42.310	ug/L	94
22) 2-Butanone	4.689	43	160284	101.488	ug/L	97
23) Bromochloromethane	4.965	128	33180	40.819	ug/L	92
25) Chloroform	5.078	83	138893	43.838	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	107720	44.543	ug/L	99
29) Cyclohexane	5.383	56	75757	47.928	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	102584	46.026	ug/L	98
31) Carbon tetrachloride	5.515	117	80162	44.528	ug/L	98
33) Benzene	5.766	78	265637	47.580	ug/L	100
34) Trichloroethene	6.537	95	64962	43.841	ug/L	99
35) Methylcyclohexane	6.759	83	76856	44.253	ug/L	94
37) 1,2-Dichloropropane	6.782	63	87491	48.220	ug/L	100
38) Bromodichloromethane	7.100	83	105283	46.691	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	115779	46.325	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	275901	106.668	ug/L	97
42) Toluene	7.962	91	273219	45.655	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	112346	47.485	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	82538	46.077	ug/L	97
46) Tetrachloroethene	8.547	164	40479	40.972	ug/L	98
48) 2-Hexanone	8.676	43	225373	105.823	ug/L	97
49) Dibromochloromethane	8.804	129	74364	43.442	ug/L	97
50) 1,2-Dibromoethane	8.917	107	76459	44.669	ug/L	95
51) Chlorobenzene	9.441	112	173291	43.810	ug/L	95
52) Ethylbenzene	9.563	91	296018	45.708	ug/L	100
53) m,p-Xylene	9.688	106	108193	46.508	ug/L	99
54) o-Xylene	10.094	106	109373	46.974	ug/L	100
55) Styrene	10.110	104	194021	46.650	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	147665	45.744	ug/L	98
59) Bromoform	10.283	173	57120	48.971	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	119828	53.506	ug/L	98
61) Isopropylbenzene	10.479	105	296592	52.777	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	232174	52.441	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	239256	53.586	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	137386	47.090	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	138026	46.840	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	141599	47.718	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	32645	53.882	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	94380	45.928	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	79916	45.151	ug/L	97
71) Naphthalene	14.081	128	244980	47.453	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	84554	46.639	ug/L	99

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

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