Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101723\
Data File : VU055790.D
Acq On : 17 Oct 2023 13:47
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050118

Quant Time: Oct 18 05:35:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 18 05:33:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	434511	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	443998	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	259043	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	144256	37.013	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 74.020%			
7) Chloroethane-d5	1.888	69	127259	39.946	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery = 79.900%			
11) 1,1-Dichloroethene-d2	2.560	63	269166	38.733	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 77.460%			
21) 2-Butanone-d5	4.615	46	255408	88.441	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 88.440%			
24) Chloroform-d	5.055	84	344513	46.109	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.220%			
26) 1,2-Dichloroethane-d4	5.695	65	217689	47.335	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.660%			
32) Benzene-d6	5.721	84	651945	45.892	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.780%			
36) 1,2-Dichloropropane-d6	6.685	67	214657	47.730	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.460%			
41) Toluene-d8	7.894	98	570894	44.506	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 89.020%			
43) trans-1,3-Dichloroprop...	8.174	79	95232	44.082	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.160%			
47) 2-Hexanone-d5	8.631	63	142530	80.616	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 80.620%			
56) 1,1,2,2-Tetrachloroeth...	10.753	84	378292	54.647	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 109.300%			
66) 1,2-Dichlorobenzene-d4	12.190	152	258016	50.192	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	150067	41.479	ug/L	100
3) Chloromethane	1.518	50	189084	55.233	ug/L	97
5) Vinyl chloride	1.602	62	178167	47.291	ug/L	97
6) Bromomethane	1.830	94	65336	27.128	ug/L	96
8) Chloroethane	1.911	64	119792	48.475	ug/L	100
9) Trichlorofluoromethane	2.126	101	218710	40.632	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	142355	41.123	ug/L	98
12) 1,1-Dichloroethene	2.570	96	142702	46.325	ug/L	95
13) Acetone	2.618	43	189386	70.668	ug/L	95
14) Carbon disulfide	2.785	76	408933	43.623	ug/L	100
15) Methyl Acetate	2.940	43	216741	52.809	ug/L	98
16) Methylene chloride	3.036	84	211837	56.707	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	158040	50.173	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	610750	60.291	ug/L	98
19) 1,1-Dichloroethane	3.859	63	341199	52.820	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	197000	54.798	ug/L	97
22) 2-Butanone	4.692	43	299436	92.699	ug/L	98
23) Bromochloromethane	4.965	128	108176	58.102	ug/L	94
25) Chloroform	5.081	83	363771	53.908	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	292334	54.165	ug/L	99
29) Cyclohexane	5.383	56	215952	42.434	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	280101	48.830	ug/L	97
31) Carbon tetrachloride	5.518	117	226835	45.177	ug/L	98
33) Benzene	5.766	78	744792	53.067	ug/L	100
34) Trichloroethene	6.538	95	188040	48.965	ug/L	98
35) Methylcyclohexane	6.759	83	227535	40.837	ug/L	99
37) 1,2-Dichloropropane	6.785	63	213984	55.368	ug/L	99
38) Bromodichloromethane	7.100	83	278527	54.649	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	305541	51.965	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	615459	114.470	ug/L	96
42) Toluene	7.965	91	774749	52.314	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	288241	51.236	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	220280	57.803	ug/L	98
46) Tetrachloroethene	8.550	164	125251	45.554	ug/L	98
48) 2-Hexanone	8.682	43	512444	112.838	ug/L	95
49) Dibromochloromethane	8.808	129	219795	56.447	ug/L	97
50) 1,2-Dibromoethane	8.920	107	229260	56.010	ug/L	97
51) Chlorobenzene	9.444	112	502508	52.444	ug/L	100
52) Ethylbenzene	9.566	91	815209	50.349	ug/L	100
53) m,p-Xylene	9.692	106	319199	52.623	ug/L	96
54) o-Xylene	10.097	106	322903	55.011	ug/L	97
55) Styrene	10.113	104	586027	58.934	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	398453	61.063	ug/L	99
59) Bromoform	10.287	173	183875	57.662	ug/L	97
60) 1,2,3-Trichloropropane	10.820	75	321083	57.112	ug/L	99
61) Isopropylbenzene	10.480	105	793207	49.118	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	680252	52.058	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	647704	50.127	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	424398	53.162	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	414971	50.558	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	439072	55.422	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	79889	47.531	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	245469	46.098	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	203420	45.863	ug/L	100
71) Naphthalene	14.084	128	631261	47.911	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	210763	48.196	ug/L	99

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

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