Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031825\
Data File : VU063302.D
Acq On : 18 Mar 2025 15:03
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050105

Quant Time: Mar 24 12:34:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 24 12:29:15 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	264856	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	257504	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	132537	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	106554	48.17	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.34%			
7) Chloroethane-d5	1.895	69	89102	49.00	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 98.00%			
11) 1,1-Dichloroethene-d2	2.554	63	196002	50.57	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 101.14%			
21) 2-Butanone-d5	4.608	46	158485	99.22	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.22%			
24) Chloroform-d	5.049	84	209350	50.62	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.24%			
26) 1,2-Dichloroethane-d4	5.689	65	129666	50.29	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.58%			
32) Benzene-d6	5.714	84	415754	51.46	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.92%			
36) 1,2-Dichloropropane-d6	6.679	67	132066	50.25	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.50%			
41) Toluene-d8	7.888	98	383090	53.34	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 106.68%			
43) trans-1,3-Dichloroprop...	8.171	79	62270	53.50	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 107.00%			
47) 2-Hexanone-d5	8.624	63	105122	105.45	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 105.45%			
56) 1,1,2,2-Tetrachloroeth...	10.746	84	203293	51.51	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 103.02%			
66) 1,2-Dichlorobenzene-d4	12.187	152	137118	51.16	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	125842	56.73	ug/L	99
3) Chloromethane	1.518	50	130428	52.42	ug/L	99
5) Vinyl chloride	1.599	62	135990	53.64	ug/L	98
6) Bromomethane	1.833	94	74722	52.47	ug/L	98
8) Chloroethane	1.917	64	82170	53.06	ug/L	99
9) Trichlorofluoromethane	2.126	101	160896	54.94	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	104812	58.54	ug/L	99
12) 1,1-Dichloroethene	2.567	96	96288	56.15	ug/L	94
13) Acetone	2.611	43	152371	140.48	ug/L	100
14) Carbon disulfide	2.779	76	293148	53.65	ug/L	98
15) Methyl Acetate	2.936	43	124243	52.28	ug/L #	100
16) Methylene chloride	3.030	84	115808	55.03	ug/L	95
17) trans-1,2-Dichloroethene	3.338	96	102603	56.53	ug/L	96
18) Methyl tert-butyl Ether	3.351	73	316648	54.59	ug/L	99
19) 1,1-Dichloroethane	3.853	63	200160	53.83	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	117285	56.30	ug/L	99
22) 2-Butanone	4.689	43	185797	118.01	ug/L	97
23) Bromochloromethane	4.959	128	58541	54.81	ug/L	97
25) Chloroform	5.071	83	205540	54.91	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	160378	54.56	ug/L	100
29) Cyclohexane	5.373	56	173188	57.88	ug/L	100
30) 1,1,1-Trichloroethane	5.303	97	165561	55.10	ug/L	99
31) Carbon tetrachloride	5.512	117	141783	56.65	ug/L	99
33) Benzene	5.763	78	460055	56.66	ug/L	100
34) Trichloroethene	6.531	95	117242	56.66	ug/L	97
35) Methylcyclohexane	6.753	83	179512	60.77	ug/L	98
37) 1,2-Dichloropropane	6.779	63	123077	54.08	ug/L	100
38) Bromodichloromethane	7.094	83	152538	54.51	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	182863	54.85	ug/L	97
40) 4-Methyl-2-pentanone	7.779	43	328165	110.88	ug/L	100
42) Toluene	7.959	91	493394	58.74	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	178405	57.92	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	117728	54.49	ug/L	98
46) Tetrachloroethene	8.544	164	87693	60.05	ug/L	98
48) 2-Hexanone	8.672	43	265787	117.79	ug/L	98
49) Dibromochloromethane	8.801	129	115511	55.11	ug/L	99
50) 1,2-Dibromoethane	8.914	107	124174	55.04	ug/L	98
51) Chlorobenzene	9.438	112	302899	57.27	ug/L	99
52) Ethylbenzene	9.563	91	521582	59.33	ug/L	99
53) m,p-Xylene	9.685	106	195018	60.06	ug/L	97
54) o-Xylene	10.090	106	188768	59.64	ug/L	99
55) Styrene	10.106	104	329966	63.14	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.772	83	207703	55.29	ug/L	97
59) Bromoform	10.280	173	92554	52.95	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	156868	51.00	ug/L	99
61) Isopropylbenzene	10.476	105	497828	57.27	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	405108	59.06	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	387784	58.95	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	232043	56.56	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	227703	54.63	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	235011	56.82	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.987	75	41562	51.79	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	154680	56.03	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	117611	55.10	ug/L	100
71) Naphthalene	14.081	128	381412	64.94	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	115566	55.40	ug/L	99

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

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