Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061125\
Data File : VU063381.D
Acq On : 11 Jun 2025 12:50
Operator : MD/SY
Sample : VSTD10036
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD100036

Quant Time: Jun 11 13:11:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 11 12:25:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	149286	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	153942	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	89035	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	114475	91.816	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 183.640%#			
7) Chloroethane-d5	1.898	69	107835	105.221	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 210.440%#			
11) 1,1-Dichloroethene-d2	2.557	63	214418	98.146	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 196.300%#			
21) 2-Butanone-d5	4.608	46	218949	243.197	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 243.200%#			
24) Chloroform-d	5.049	84	243864	104.615	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 209.220%#			
26) 1,2-Dichloroethane-d4	5.688	65	149089	102.581	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 205.160%#			
32) Benzene-d6	5.714	84	493794	102.243	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 204.480%#			
36) 1,2-Dichloropropane-d6	6.679	67	165111	105.087	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 210.180%#			
41) Toluene-d8	7.888	98	452507	105.382	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 210.760%#			
43) trans-1,3-Dichloroprop...	8.171	79	71131	102.233	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 204.460%#			
47) 2-Hexanone-d5	8.624	63	145578	244.264	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 244.260%#			
56) 1,1,2,2-Tetrachloroeth...	10.746	84	252529	107.021	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 214.040%#			
66) 1,2-Dichlorobenzene-d4	12.183	152	169147	93.953	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 187.900%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	143487	114.764	ug/L	99
3) Chloromethane	1.518	50	158997	113.365	ug/L	100
5) Vinyl chloride	1.599	62	176321	123.382	ug/L	98
6) Bromomethane	1.840	94	103611	129.077	ug/L	99
8) Chloroethane	1.920	64	107656	123.342	ug/L	99
9) Trichlorofluoromethane	2.126	101	206065	124.837	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	119474	118.385	ug/L	98
12) 1,1-Dichloroethene	2.566	96	111379	115.223	ug/L	92
13) Acetone	2.615	43	150122	245.546	ug/L	99
14) Carbon disulfide	2.779	76	358268	116.321	ug/L	100
15) Methyl Acetate	2.939	43	159556	119.110	ug/L #	100
16) Methylene chloride	3.029	84	139348	117.468	ug/L	97
17) trans-1,2-Dichloroethene	3.338	96	119753	117.047	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	380439	116.356	ug/L	99
19) 1,1-Dichloroethane	3.853	63	247962	118.303	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	141029	120.097	ug/L	99
22) 2-Butanone	4.689	43	237970	268.153	ug/L	96
23) Bromochloromethane	4.962	128	71558	118.872	ug/L	96
25) Chloroform	5.074	83	244195	115.746	ug/L	99

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Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	194337	117.296	ug/L	100
29) Cyclohexane	5.377	56	226850	126.826	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	193436	107.679	ug/L	99
31) Carbon tetrachloride	5.512	117	161152	107.710	ug/L	99
33) Benzene	5.762	78	561252	115.632	ug/L	100
34) Trichloroethene	6.531	95	138413	111.901	ug/L	99
35) Methylcyclohexane	6.753	83	225922	127.936	ug/L	98
37) 1,2-Dichloropropane	6.778	63	159332	117.112	ug/L	100
38) Bromodichloromethane	7.094	83	184871	110.507	ug/L	100
39) cis-1,3-Dichloropropene	7.598	75	237478	119.158	ug/L	98
40) 4-Methyl-2-pentanone	7.778	43	441182	249.356	ug/L	99
42) Toluene	7.958	91	605050	120.500	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	220093	119.515	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	147247	113.996	ug/L	99
46) Tetrachloroethene	8.544	164	102991	117.970	ug/L	98
48) 2-Hexanone	8.672	43	353515	262.071	ug/L	98
49) Dibromochloromethane	8.801	129	142334	113.585	ug/L	99
50) 1,2-Dibromoethane	8.913	107	153724	113.967	ug/L	98
51) Chlorobenzene	9.438	112	370583	117.213	ug/L	99
52) Ethylbenzene	9.563	91	642003	122.160	ug/L	99
53) m,p-Xylene	9.685	106	248364	127.937	ug/L	94
54) o-Xylene	10.093	106	235946	124.687	ug/L	95
55) Styrene	10.106	104	426657	136.573	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	265173	118.075	ug/L	100
59) Bromoform	10.280	173	112896	96.136	ug/L	99
60) 1,2,3-Trichloropropane	10.810	75	204818	99.123	ug/L	100
61) Isopropylbenzene	10.476	105	638414	109.323	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	516326	112.060	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	511821	115.823	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	296939	107.737	ug/L	99
65) 1,4-Dichlorobenzene	11.826	146	302454	108.024	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	296238	106.613	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	55680	103.291	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	207365	111.810	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	179282	125.035	ug/L	99
71) Naphthalene	14.077	128	542827	137.585	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	179940	128.417	ug/L	99

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

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