

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063624.D
 Acq On : 23 Sep 2025 09:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Quant Time: Sep 24 01:06:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	235314	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	227676	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	119131	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	76673	48.579	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.160%
7) Chloroethane-d5	1.895	69	66525	49.542	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.080%
11) 1,1-Dichloroethene-d2	2.554	63	141526	50.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.360%
21) 2-Butanone-d5	4.615	46	114666	105.295	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.290%
24) Chloroform-d	5.049	84	150913	51.103	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	5.689	65	99248	51.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.160%
32) Benzene-d6	5.714	84	280904	51.512	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.020%
36) 1,2-Dichloropropane-d6	6.679	67	91136	51.158	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.320%
41) Toluene-d8	7.888	98	257935	50.331	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.660%
43) trans-1,3-Dichloroprop...	8.171	79	31998	49.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.180%
47) 2-Hexanone-d5	8.624	63	69446	106.387	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.390%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	139814	50.968	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.940%
66) 1,2-Dichlorobenzene-d4	12.184	152	99813	49.857	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	67067	52.959	ug/L	98
3) Chloromethane	1.515	50	85768	52.535	ug/L	99
5) Vinyl chloride	1.596	62	103477	53.252	ug/L	98
6) Bromomethane	1.834	94	64386	52.299	ug/L	97
8) Chloroethane	1.917	64	69781	53.013	ug/L	99
9) Trichlorofluoromethane	2.123	101	151673	53.579	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	85643	54.992	ug/L	98
12) 1,1-Dichloroethene	2.567	96	73597	53.119	ug/L	96
13) Acetone	2.615	43	147593	113.563	ug/L	98
14) Carbon disulfide	2.779	76	191365	53.231	ug/L	99
15) Methyl Acetate	2.936	43	106495	55.238	ug/L	99
16) Methylene chloride	3.030	84	91968	52.499	ug/L	97
17) trans-1,2-Dichloroethene	3.338	96	81221	54.445	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	250501	51.908	ug/L	99
19) 1,1-Dichloroethane	3.853	63	163739	53.916	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	93996	53.805	ug/L	97
22) 2-Butanone	4.692	43	163569	108.906	ug/L	97
23) Bromochloromethane	4.959	128	48823	53.337	ug/L	98
25) Chloroform	5.071	83	174506	54.111	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063624.D
 Acq On : 23 Sep 2025 09:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050110

Quant Time: Sep 24 01:06:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	139489	52.347	ug/L	100
29) Cyclohexane	5.374	56	145701	54.447	ug/L	97
30) 1,1,1-Trichloroethane	5.300	97	135246	54.031	ug/L	98
31) Carbon tetrachloride	5.512	117	108424	54.659	ug/L	98
33) Benzene	5.759	78	364480	55.128	ug/L	100
34) Trichloroethene	6.531	95	100777	54.427	ug/L	98
35) Methylcyclohexane	6.750	83	143617	54.329	ug/L	98
37) 1,2-Dichloropropane	6.779	63	102318	55.878	ug/L	100
38) Bromodichloromethane	7.094	83	119075	54.846	ug/L	100
39) cis-1,3-Dichloropropene	7.599	75	130473	54.807	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	286429	108.569	ug/L	99
42) Toluene	7.959	91	396789	54.742	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	108162	53.510	ug/L	99
45) 1,1,2-Trichloroethane	8.390	97	98162	55.234	ug/L	96
46) Tetrachloroethene	8.544	164	73530	54.522	ug/L	98
48) 2-Hexanone	8.672	43	216563	108.508	ug/L	95
49) Dibromochloromethane	8.798	129	86885	54.615	ug/L	98
50) 1,2-Dibromoethane	8.914	107	99984	54.320	ug/L	100
51) Chlorobenzene	9.438	112	257869	53.762	ug/L	98
52) Ethylbenzene	9.560	91	442234	55.175	ug/L	100
53) m,p-Xylene	9.685	106	165161	55.238	ug/L	99
54) o-Xylene	10.090	106	164179	55.102	ug/L	94
55) Styrene	10.107	104	273709	56.211	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	161444	53.743	ug/L	100
59) Bromoform	10.280	173	61503	53.016	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	134478	53.543	ug/L	99
61) Isopropylbenzene	10.476	105	442782	54.494	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	368683	55.173	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	356510	55.031	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	199762	53.946	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	201338	53.743	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	192836	52.959	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	31076	55.168	ug/L	91
69) 1,3,5-Trichlorobenzene	13.212	180	139809	54.005	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	111687	52.255	ug/L	100
71) Naphthalene	14.081	128	288717	49.718	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	105373	51.437	ug/L	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
Data File : VU063624.D
Acq On : 23 Sep 2025 09:09
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD050110

Quant Time: Sep 24 01:06:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 23 05:35:07 2025
Response via : Initial Calibration

