

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111725\
 Data File : VU063730.D
 Acq On : 17 Nov 2025 16:21
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050112

Quant Time: Nov 18 02:06:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:55:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	318133	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	312177	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	168342	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	129321	47.074	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.140%
7) Chloroethane-d5	1.891	69	98462	46.521	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.040%
11) 1,1-Dichloroethene-d2	2.541	63	228700	48.027	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.060%
21) 2-Butanone-d5	4.595	46	157305	100.440	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.440%
24) Chloroform-d	5.029	84	219626	47.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.300%
26) 1,2-Dichloroethane-d4	5.669	65	143788	47.440	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
32) Benzene-d6	5.695	84	428507	46.829	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.660%
36) 1,2-Dichloropropane-d6	6.660	67	123469	45.963	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.920%
41) Toluene-d8	7.872	98	398416	45.858	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.720%
43) trans-1,3-Dichloroprop...	8.155	79	49622	44.700	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.400%
47) 2-Hexanone-d5	8.608	63	98872	101.231	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.230%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	186617	47.504	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.167	152	153688	48.362	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	90193	48.713	ug/L	100
3) Chloromethane	1.509	50	100902	48.166	ug/L	99
5) Vinyl chloride	1.589	62	121560	49.906	ug/L	99
6) Bromomethane	1.833	94	77248	50.045	ug/L	98
8) Chloroethane	1.914	64	80648	49.604	ug/L	97
9) Trichlorofluoromethane	2.116	101	194371	50.595	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	113168	49.841	ug/L	97
12) 1,1-Dichloroethene	2.554	96	103808	49.988	ug/L	93
13) Acetone	2.602	43	192126	90.643	ug/L	98
14) Carbon disulfide	2.766	76	253673	46.896	ug/L	97
15) Methyl Acetate	2.923	43	138062	54.243	ug/L	100
16) Methylene chloride	3.017	84	120992	49.978	ug/L	99
17) trans-1,2-Dichloroethene	3.322	96	110680	49.990	ug/L	99
18) Methyl tert-butyl Ether	3.335	73	380831	50.824	ug/L	99
19) 1,1-Dichloroethane	3.833	63	210618	49.368	ug/L	99
20) cis-1,2-Dichloroethene	4.631	96	129424	50.783	ug/L	98
22) 2-Butanone	4.673	43	209677	89.043	ug/L	95
23) Bromochloromethane	4.939	128	67495	51.512	ug/L	94
25) Chloroform	5.052	83	234488	50.777	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.762	62	190561	50.548	ug/L	98
29) Cyclohexane	5.354	56	192112	48.911	ug/L	95
30) 1,1,1-Trichloroethane	5.283	97	197104	49.445	ug/L	100
31) Carbon tetrachloride	5.492	117	154501	49.290	ug/L	98
33) Benzene	5.743	78	470212	49.385	ug/L	100
34) Trichloroethene	6.512	95	136109	49.586	ug/L	98
35) Methylcyclohexane	6.734	83	190569	47.295	ug/L	99
37) 1,2-Dichloropropane	6.759	63	123916	50.078	ug/L	99
38) Bromodichloromethane	7.078	83	166499	49.138	ug/L	97
39) cis-1,3-Dichloropropene	7.579	75	178144	48.545	ug/L	99
40) 4-Methyl-2-pentanone	7.762	43	376710	105.178	ug/L	100
42) Toluene	7.942	91	532011	50.611	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	148604	46.391	ug/L	97
45) 1,1,2-Trichloroethane	8.370	97	131177	50.128	ug/L	99
46) Tetrachloroethene	8.528	164	102621	48.888	ug/L	98
48) 2-Hexanone	8.659	43	295732	105.198	ug/L	98
49) Dibromochloromethane	8.782	129	121060	47.903	ug/L	98
50) 1,2-Dibromoethane	8.897	107	138541	50.437	ug/L	96
51) Chlorobenzene	9.422	112	353665	49.856	ug/L	99
52) Ethylbenzene	9.544	91	602848	49.391	ug/L	99
53) m,p-Xylene	9.669	106	233209	50.129	ug/L	98
54) o-Xylene	10.074	106	224793	49.618	ug/L	99
55) Styrene	10.090	104	373604	50.895	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.756	83	212029	49.747	ug/L	99
59) Bromoform	10.264	173	87833	45.943	ug/L	99
60) 1,2,3-Trichloropropane	10.794	75	181604	49.426	ug/L	98
61) Isopropylbenzene	10.457	105	611212	48.128	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	507019	48.534	ug/L	98
63) 1,2,4-Trimethylbenzene	11.444	105	487510	48.889	ug/L	99
64) 1,3-Dichlorobenzene	11.720	146	272376	47.840	ug/L	99
65) 1,4-Dichlorobenzene	11.810	146	280156	48.042	ug/L	98
67) 1,2-Dichlorobenzene	12.187	146	263499	47.737	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.968	75	44824	49.405	ug/L	92
69) 1,3,5-Trichlorobenzene	13.193	180	186815	48.548	ug/L	100
70) 1,2,4-trichlorobenzene	13.814	180	153956	47.981	ug/L	100
71) Naphthalene	14.058	128	429880	50.342	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	145345	47.792	ug/L	99

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

