

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061125\
 Data File : VU063378.D
 Acq On : 11 Jun 2025 11:23
 Operator : MD/SY
 Sample : VSTD00533
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005033

Quant Time: Jun 11 13:20:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 11 13:19:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Mahesh Dadoda 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	133104	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	137161	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	64739	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	5386	4.845	ug/L	0.00
7) Chloroethane-d5	1.904	69	5290	5.789	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.560	63	10287	5.281	ug/L	0.00
21) 2-Butanone-d5	4.647	46	7354m	9.162	ug/L	0.04
24) Chloroform-d	5.055	84	11212	5.395	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	6864	5.297	ug/L	0.00
32) Benzene-d6	5.721	84	20286	4.714	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	6995	4.997	ug/L	0.00
41) Toluene-d8	7.894	98	16055	4.196	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.181	79	2555	4.121	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	3340m	6.290	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.746	84	10779	5.127	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	5853	4.471	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	6848	6.143	ug/L	98
3) Chloromethane	1.518	50	7993	6.392	ug/L	97
5) Vinyl chloride	1.599	62	8729	6.851	ug/L	94
6) Bromomethane	1.850	94	4796	6.701	ug/L	91
8) Chloroethane	1.927	64	5450	7.003	ug/L	98
9) Trichlorofluoromethane	2.129	101	10140	6.890	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	6514	7.239	ug/L	93
12) 1,1-Dichloroethene	2.570	96	5278	6.124	ug/L	94
13) Acetone	2.621	43	6667	12.231	ug/L	99
14) Carbon disulfide	2.782	76	18061	6.577	ug/L	99
15) Methyl Acetate	2.952	43	6534	5.471	ug/L #	100
16) Methylene chloride	3.036	84	7258	6.862	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	5720	6.270	ug/L	91
18) Methyl tert-butyl Ether	3.358	73	15711	5.389	ug/L	99
19) 1,1-Dichloroethane	3.862	63	12018	6.431	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	5850	5.587	ug/L	97
22) 2-Butanone	4.724	43	9192m	11.617	ug/L	
23) Bromochloromethane	4.968	128	3434	6.398	ug/L	96
25) Chloroform	5.081	83	12422	6.604	ug/L	99
27) 1,2-Dichloroethane	5.788	62	9542	6.459	ug/L #	95
29) Cyclohexane	5.377	56	8197	5.143	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	9439	5.897	ug/L	98
31) Carbon tetrachloride	5.512	117	8060	6.046	ug/L	96
33) Benzene	5.769	78	23624	5.463	ug/L	100
34) Trichloroethene	6.538	95	6476	5.876	ug/L	97
35) Methylcyclohexane	6.750	83	8215	5.221	ug/L	99
37) 1,2-Dichloropropane	6.785	63	7630	6.294	ug/L #	92
38) Bromodichloromethane	7.097	83	9040	6.065	ug/L	90
39) cis-1,3-Dichloropropene	7.605	75	8255	4.649	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	15010	9.522	ug/L #	93
42) Toluene	7.965	91	23376	5.225	ug/L	99
44) trans-1,3-Dichloropropene	8.210	75	8166	4.977	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.393	97	6663	5.789	ug/L	97
46) Tetrachloroethene	8.547	164	4607	5.923	ug/L	92
48) 2-Hexanone	8.689	43	10949	9.110	ug/L	89
49) Dibromochloromethane	8.801	129	6318	5.659	ug/L	97
50) 1,2-Dibromoethane	8.920	107	6541	5.443	ug/L	92
51) Chlorobenzene	9.441	112	16555	5.877	ug/L	94
52) Ethylbenzene	9.566	91	23605	5.041	ug/L	96
53) m,p-Xylene	9.689	106	7974	4.610	ug/L	86
54) o-Xylene	10.094	106	7249	4.299	ug/L	97
55) Styrene	10.113	104	11266	4.047	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	11749	5.872	ug/L #	91
59) Bromoform	10.287	173	4921	5.763	ug/L #	94
60) 1,2,3-Trichloropropane	10.817	75	8583	5.713	ug/L	98
61) Isopropylbenzene	10.480	105	19234	4.530	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	13916	4.154	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	11867	3.693	ug/L	93
64) 1,3-Dichlorobenzene	11.740	146	10638	5.308	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	11129	5.467	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	11207	5.547	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.994	75	2307	5.886	ug/L #	77
69) 1,3,5-Trichlorobenzene	13.216	180	6626	4.914	ug/L	97
70) 1,2,4-trichlorobenzene	13.839	180	4140	3.971	ug/L	98
71) Naphthalene	14.097	128	8473	2.954	ug/L #	92
72) 1,2,3-Trichlorobenzene	14.331	180	3618	3.551	ug/L	89

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

