

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063297.D
 Acq On : 17 Mar 2025 17:41
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

Quant Time: Mar 21 09:30:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 09:28:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	282766	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.406	117	274659	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.801	152	139795	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.593	65	108949	46.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.26%
7) Chloroethane-d5	1.895	69	90920	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.68%
11) 1,1-Dichloroethene-d2	2.554	63	196276	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.86%
21) 2-Butanone-d5	4.608	46	168833	99.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.01%
24) Chloroform-d	5.049	84	209001	47.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.689	65	128416	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
32) Benzene-d6	5.715	84	421106	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.679	67	133290	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.10%
41) Toluene-d8	7.888	98	382630	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%
43) trans-1,3-Dichloroprop...	8.168	79	59677	48.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.14%
47) 2-Hexanone-d5	8.621	63	109659	103.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.13%
56) 1,1,2,2-Tetrachloroeth...	10.743	84	202404	48.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.16%
66) 1,2-Dichlorobenzene-d4	12.184	152	135262	47.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.70%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	119038	50.27	ug/L	100
3) Chloromethane	1.519	50	128913	48.53	ug/L	99
5) Vinyl chloride	1.599	62	133236	49.22	ug/L	97
6) Bromomethane	1.834	94	74252	48.84	ug/L	98
8) Chloroethane	1.917	64	79531	48.11	ug/L	100
9) Trichlorofluoromethane	2.126	101	158235	50.61	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	97537	51.03	ug/L	98
12) 1,1-Dichloroethene	2.567	96	93637	51.14	ug/L	98
13) Acetone	2.615	43	112379	97.04	ug/L	98
14) Carbon disulfide	2.779	76	286434	49.10	ug/L	99
15) Methyl Acetate	2.937	43	130616	51.48	ug/L #	100
16) Methylene chloride	3.030	84	112896	50.24	ug/L	98
17) trans-1,2-Dichloroethene	3.342	96	96969	50.04	ug/L	98
18) Methyl tert-butyl Ether	3.351	73	312037	50.39	ug/L	99
19) 1,1-Dichloroethane	3.853	63	196617	49.52	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	113086	50.84	ug/L	98
22) 2-Butanone	4.689	43	175673	104.51	ug/L	97
23) Bromochloromethane	4.959	128	58081	50.94	ug/L	98
25) Chloroform	5.071	83	201352	50.39	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	157946	50.33	ug/L	100
29) Cyclohexane	5.374	56	165634	51.90	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	163348	50.97	ug/L	98
31) Carbon tetrachloride	5.512	117	137693	51.58	ug/L	99
33) Benzene	5.760	78	451223	52.10	ug/L	100
34) Trichloroethene	6.531	95	112583	51.01	ug/L	95
35) Methylcyclohexane	6.750	83	168830	53.59	ug/L	98
37) 1,2-Dichloropropane	6.779	63	121377	50.00	ug/L	99
38) Bromodichloromethane	7.094	83	150672	50.48	ug/L	99
39) cis-1,3-Dichloropropene	7.595	75	181220	50.96	ug/L	99
40) 4-Methyl-2-pentanone	7.779	43	335981	106.43	ug/L	99
42) Toluene	7.959	91	473427	52.85	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	171287	52.13	ug/L	99
45) 1,1,2-Trichloroethane	8.386	97	117323	50.91	ug/L	97
46) Tetrachloroethene	8.544	164	82168	52.75	ug/L	96
48) 2-Hexanone	8.673	43	258889	107.57	ug/L	99
49) Dibromochloromethane	8.798	129	116130	51.94	ug/L	99
50) 1,2-Dibromoethane	8.911	107	124629	51.79	ug/L	100
51) Chlorobenzene	9.435	112	290561	51.51	ug/L	99
52) Ethylbenzene	9.560	91	497574	53.07	ug/L	99
53) m,p-Xylene	9.682	106	185928	53.68	ug/L	99
54) o-Xylene	10.091	106	183394	54.32	ug/L	96
55) Styrene	10.103	104	310035	55.62	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.772	83	206954	51.65	ug/L	97
59) Bromoform	10.280	173	92075	49.94	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	158717	48.92	ug/L	100
61) Isopropylbenzene	10.473	105	481033	52.46	ug/L	100
62) 1,3,5-Trimethylbenzene	11.078	105	380879	52.65	ug/L	100
63) 1,2,4-Trimethylbenzene	11.457	105	372212	53.65	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	218556	50.50	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	218623	49.73	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	217293	49.81	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.984	75	41744	49.32	ug/L	98
69) 1,3,5-Trichlorobenzene	13.209	180	143466	49.27	ug/L	99
70) 1,2,4-trichlorobenzene	13.830	180	108103	48.02	ug/L	98
71) Naphthalene	14.081	128	308496	49.80	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	109563	49.80	ug/L	99

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

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