

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031825\
 Data File : VU063299.D
 Acq On : 18 Mar 2025 11:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Quant Time: Mar 24 12:30:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 24 12:29:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	277077	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	272282	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	138219	50.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	103861	44.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.76%
7) Chloroethane-d5	1.891	69	88797	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.36%
11) 1,1-Dichloroethene-d2	2.554	63	192872	47.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.14%
21) 2-Butanone-d5	4.611	46	161624	96.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.73%
24) Chloroform-d	5.049	84	206726	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
26) 1,2-Dichloroethane-d4	5.689	65	127021	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
32) Benzene-d6	5.714	84	410469	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
36) 1,2-Dichloropropane-d6	6.679	67	132271	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.888	98	375074	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%
43) trans-1,3-Dichloroprop...	8.171	79	59200	48.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.22%
47) 2-Hexanone-d5	8.621	63	109642	104.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.01%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	201090	48.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.36%
66) 1,2-Dichlorobenzene-d4	12.184	152	130245	46.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	122717	52.88	ug/L 99
3) Chloromethane	1.518	50	127416	48.95	ug/L 100
5) Vinyl chloride	1.599	62	133601	50.37	ug/L 99
6) Bromomethane	1.830	94	69195	46.44	ug/L 100
8) Chloroethane	1.914	64	80160	49.48	ug/L 99
9) Trichlorofluoromethane	2.123	101	162271	52.97	ug/L 100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	102506	54.73	ug/L 98
12) 1,1-Dichloroethene	2.567	96	92806	51.73	ug/L 90
13) Acetone	2.615	43	115182	101.51	ug/L 99
14) Carbon disulfide	2.779	76	291226	50.94	ug/L 99
15) Methyl Acetate	2.936	43	124673	50.14	ug/L # 100
16) Methylene chloride	3.030	84	112854	51.26	ug/L 95
17) trans-1,2-Dichloroethene	3.338	96	95295	50.18	ug/L 96
18) Methyl tert-butyl Ether	3.351	73	309993	51.08	ug/L 99
19) 1,1-Dichloroethane	3.853	63	197555	50.78	ug/L 98
20) cis-1,2-Dichloroethene	4.650	96	112129	51.45	ug/L 98
22) 2-Butanone	4.689	43	175506	106.55	ug/L 96
23) Bromochloromethane	4.959	128	57456	51.43	ug/L 99
25) Chloroform	5.074	83	201665	51.50	ug/L 98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031825\
 Data File : VU063299.D
 Acq On : 18 Mar 2025 11:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Quant Time: Mar 24 12:30:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 24 12:29:15 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.779	62	163016	53.01	ug/L	100
29) Cyclohexane	5.374	56	168032	53.11	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	163627	51.50	ug/L	98
31) Carbon tetrachloride	5.512	117	138561	52.36	ug/L	99
33) Benzene	5.759	78	448684	52.26	ug/L	100
34) Trichloroethene	6.531	95	114586	52.38	ug/L	99
35) Methylcyclohexane	6.753	83	172684	55.29	ug/L	99
37) 1,2-Dichloropropane	6.779	63	123233	51.21	ug/L	99
38) Bromodichloromethane	7.094	83	151425	51.17	ug/L	100
39) cis-1,3-Dichloropropene	7.595	75	180332	51.16	ug/L	97
40) 4-Methyl-2-pentanone	7.779	43	333962	106.72	ug/L	100
42) Toluene	7.959	91	478544	53.88	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	170395	52.31	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	115878	50.72	ug/L	98
46) Tetrachloroethene	8.544	164	84233	54.55	ug/L	99
48) 2-Hexanone	8.672	43	259812	108.90	ug/L	98
49) Dibromochloromethane	8.798	129	113917	51.40	ug/L	99
50) 1,2-Dibromoethane	8.914	107	123140	51.61	ug/L	99
51) Chlorobenzene	9.438	112	292115	52.24	ug/L	99
52) Ethylbenzene	9.560	91	498936	53.68	ug/L	98
53) m,p-Xylene	9.685	106	190548	55.49	ug/L	97
54) o-Xylene	10.090	106	181546	54.24	ug/L	98
55) Styrene	10.103	104	313697	56.77	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.772	83	205096	51.63	ug/L	98
59) Bromoform	10.280	173	91860	50.39	ug/L	99
60) 1,2,3-Trichloropropane	10.811	75	160323	49.98	ug/L	99
61) Isopropylbenzene	10.473	105	484358	53.43	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	386855	54.08	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	377972	55.10	ug/L	99
64) 1,3-Dichlorobenzene	11.737	146	222556	52.02	ug/L	98
65) 1,4-Dichlorobenzene	11.827	146	222748	51.25	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	219667	50.92	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	41706	49.84	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	151612	52.66	ug/L	98
70) 1,2,4-trichlorobenzene	13.833	180	113652	51.06	ug/L	100
71) Naphthalene	14.081	128	308000	50.29	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	114520	52.65	ug/L	97

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

Quant Time: Mar 24 12:30:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 24 12:29:15 2025
Response via : Initial Calibration

