

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031725\
 Data File : VU063288.D
 Acq On : 17 Mar 2025 10:32
 Operator : MD/SY
 Sample : VSTD00527
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005027

Quant Time: Mar 21 08:35:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 21 08:30:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	269133	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	260350	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	113290	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	11919	5.83	ug/L	0.00
7) Chloroethane-d5	1.898	69	9580	8.24	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	20711	5.79	ug/L	0.00
21) 2-Butanone-d5	4.637	46	15654m	11.77	ug/L	0.03
24) Chloroform-d	5.052	84	21999	5.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	13836	6.42	ug/L	0.00
32) Benzene-d6	5.717	84	41539	5.42	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	14021	5.65	ug/L	0.00
41) Toluene-d8	7.891	98	35107	4.98	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	5756	4.97	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	8103m	7.67	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	20533	5.55	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	12334	5.68	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	12269	5.86	ug/L	97
3) Chloromethane	1.518	50	13935	6.30	ug/L	94
5) Vinyl chloride	1.599	62	14040	5.59	ug/L	96
6) Bromomethane	1.837	94	7729	8.98	ug/L	94
8) Chloroethane	1.917	64	8897	8.78	ug/L	97
9) Trichlorofluoromethane	2.126	101	16365	5.95	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	9727	5.13	ug/L	99
12) 1,1-Dichloroethene	2.566	96	8983	4.82	ug/L	90
13) Acetone	2.618	43	12530	14.45	ug/L	98
14) Carbon disulfide	2.782	76	29343	5.10	ug/L	97
15) Methyl Acetate	2.946	43	13204	6.47	ug/L #	100
16) Methylene chloride	3.033	84	11506	5.33	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	9319	4.89	ug/L	94
18) Methyl tert-butyl Ether	3.351	73	29539	5.00	ug/L	98
19) 1,1-Dichloroethane	3.856	63	20048	5.63	ug/L	96
20) cis-1,2-Dichloroethene	4.656	96	10982	5.08	ug/L	88
22) 2-Butanone	4.708	43	14850	10.86	ug/L #	66
23) Bromochloromethane	4.968	128	5597	5.09	ug/L	93
25) Chloroform	5.078	83	20243	5.60	ug/L	100
27) 1,2-Dichloroethane	5.785	62	15471	5.77	ug/L	99
29) Cyclohexane	5.373	56	14467	4.43	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	16334	5.24	ug/L	97
31) Carbon tetrachloride	5.515	117	12778	4.78	ug/L	98
33) Benzene	5.766	78	42365	5.14	ug/L	100
34) Trichloroethene	6.537	95	11158	5.02	ug/L	95
35) Methylcyclohexane	6.753	83	14375	4.27	ug/L	97
37) 1,2-Dichloropropane	6.782	63	12130	5.31	ug/L #	95
38) Bromodichloromethane	7.094	83	15113	5.54	ug/L	96
39) cis-1,3-Dichloropropene	7.598	75	16092	4.73	ug/L	89
40) 4-Methyl-2-pentanone	7.782	43	28369	10.13	ug/L	97
42) Toluene	7.962	91	40244	4.54	ug/L	94
44) trans-1,3-Dichloropropene	8.203	75	14741	4.67	ug/L	99

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45) 1,1,2-Trichloroethane	8.393	97	11645	5.29	ug/L	99
46) Tetrachloroethene	8.547	164	7146	4.52	ug/L	93
48) 2-Hexanone	8.679	43	19787	9.18	ug/L	96
49) Dibromochloromethane	8.801	129	10502	4.74	ug/L	98
50) 1,2-Dibromoethane	8.917	107	11484	4.88	ug/L #	100
51) Chlorobenzene	9.441	112	27496	4.99	ug/L	99
52) Ethylbenzene	9.563	91	40136	4.21	ug/L	99
53) m,p-Xylene	9.688	106	14588	4.11	ug/L	98
54) o-Xylene	10.093	106	14046	3.94	ug/L	83
55) Styrene	10.110	104	20394	3.36	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	19556	5.07	ug/L	92
59) Bromoform	10.283	173	7732	5.11	ug/L	92
60) 1,2,3-Trichloropropane	10.814	75	15384	6.32	ug/L	100
61) Isopropylbenzene	10.476	105	35904	4.65	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	26109	4.15	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	24272	3.90	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	17978	4.87	ug/L	98
65) 1,4-Dichlorobenzene	11.826	146	18708	4.89	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	18408	5.05	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.990	75	3235	4.92	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	11858	4.76	ug/L	93
70) 1,2,4-trichlorobenzene	13.839	180	7769	3.65	ug/L	96
71) Naphthalene	14.090	128	19370	3.01	ug/L #	97
72) 1,2,3-Trichlorobenzene	14.328	180	7485	3.63	ug/L	99

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

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