

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057887.D
 Acq On : 19 Feb 2024 18:10
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV064

Quant Time: Feb 20 01:32:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 20 01:26:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	281505	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	265496	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	132825	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	100729	49.425	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.840%
7) Chloroethane-d5	1.888	69	76017	50.464	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.920%
11) 1,1-Dichloroethene-d2	2.557	63	181016	47.659	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.320%
21) 2-Butanone-d5	4.611	46	81046	104.663	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.660%
24) Chloroform-d	5.052	84	171949	49.756	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.520%
26) 1,2-Dichloroethane-d4	5.689	65	108243	49.966	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.940%
32) Benzene-d6	5.714	84	338438	50.866	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.740%
36) 1,2-Dichloropropane-d6	6.679	67	111223	51.770	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.540%
41) Toluene-d8	7.891	98	307785	51.103	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.200%
43) trans-1,3-Dichloroprop...	8.171	79	53530	52.322	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.640%
47) 2-Hexanone-d5	8.624	63	87695	106.178	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.180%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	151745	51.186	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.380%
66) 1,2-Dichlorobenzene-d4	12.187	152	111147	51.679	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	132229	42.847	ug/L	100
3) Chloromethane	1.515	50	139784	44.548	ug/L	98
5) Vinyl chloride	1.599	62	135237	43.645	ug/L	98
6) Bromomethane	1.827	94	71537	59.130	ug/L	100
8) Chloroethane	1.911	64	79864	44.072	ug/L	98
9) Trichlorofluoromethane	2.123	101	165038	43.528	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	95543	43.358	ug/L	98
12) 1,1-Dichloroethene	2.567	96	90222	44.265	ug/L	95
13) Acetone	2.612	43	127526	88.947	ug/L	100
14) Carbon disulfide	2.782	76	296083	44.388	ug/L	99
15) Methyl Acetate	2.933	43	105902	45.371	ug/L	98
16) Methylene chloride	3.033	84	113638	42.776	ug/L	99
17) trans-1,2-Dichloroethene	3.341	96	91200	43.129	ug/L	98
18) Methyl tert-butyl Ether	3.348	73	326112	44.297	ug/L	99
19) 1,1-Dichloroethane	3.853	63	193211	44.071	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	106300	43.821	ug/L	99
22) 2-Butanone	4.685	43	156362	90.017	ug/L	99
23) Bromochloromethane	4.962	128	52205	44.293	ug/L	98
25) Chloroform	5.074	83	191630	44.270	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	159099	44.173	ug/L	98
29) Cyclohexane	5.377	56	176571	45.188	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	162612	45.450	ug/L	99
31) Carbon tetrachloride	5.512	117	139982	45.561	ug/L	100
33) Benzene	5.763	78	416285	44.955	ug/L	100
34) Trichloroethene	6.534	95	108364	45.525	ug/L	99
35) Methylcyclohexane	6.753	83	170532	44.095	ug/L	100
37) 1,2-Dichloropropane	6.782	63	118689	45.424	ug/L	99
38) Bromodichloromethane	7.097	83	143412	45.706	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	185877	46.550	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	312075	94.882	ug/L	99
42) Toluene	7.962	91	434364	45.324	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	171363	46.244	ug/L	99
45) 1,1,2-Trichloroethane	8.389	97	105368	45.385	ug/L	98
46) Tetrachloroethene	8.547	164	74234	45.316	ug/L	95
48) 2-Hexanone	8.676	43	254087	94.645	ug/L	98
49) Dibromochloromethane	8.801	129	104956	45.394	ug/L	98
50) 1,2-Dibromoethane	8.917	107	112647	46.082	ug/L	97
51) Chlorobenzene	9.441	112	276680	45.401	ug/L	98
52) Ethylbenzene	9.563	91	492787	45.858	ug/L	99
53) m,p-Xylene	9.685	106	181341	46.402	ug/L	100
54) o-Xylene	10.094	106	179482	46.483	ug/L	98
55) Styrene	10.110	104	308571	46.602	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	183271	46.339	ug/L	98
59) Bromoform	10.283	173	76948	47.193	ug/L #	99
60) 1,2,3-Trichloropropane	10.817	75	143923	46.769	ug/L	100
61) Isopropylbenzene	10.476	105	484350	46.661	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	415137	46.420	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	419645	46.698	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	209305	45.604	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	212511	45.452	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	205931	45.607	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	35553	48.660	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	139982	45.347	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	118162	47.542	ug/L	99
71) Naphthalene	14.081	128	336094	50.923	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	110481	48.396	ug/L	99

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

