

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072524\
 Data File : VU060169.D
 Acq On : 25 Jul 2024 13:26
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050086

Quant Time: Jul 26 02:34:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 02:31:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	251105	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	248344	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122898	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87573	54.317	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	108.640%	
7) Chloroethane-d5	1.907	69	66666	49.159	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	98.320%	
11) 1,1-Dichloroethene-d2	2.563	63	128763	44.955	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	89.900%	
21) 2-Butanone-d5	4.618	46	112276	100.205	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	100.210%	
24) Chloroform-d	5.055	84	138361	44.315	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	88.640%	
26) 1,2-Dichloroethane-d4	5.695	65	82156	44.255	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	88.500%	
32) Benzene-d6	5.721	84	284004	44.659	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	89.320%	
36) 1,2-Dichloropropane-d6	6.685	67	93033	47.268	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	94.540%	
41) Toluene-d8	7.894	98	256413	42.399	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	84.800%	
43) trans-1,3-Dichloroprop...	8.174	79	39456	42.840	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	85.680%	
47) 2-Hexanone-d5	8.627	63	73135	88.169	ug/L	-0.01
Spiked Amount 100.000	Range 45	- 130	Recovery	=	88.170%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	140173	46.400	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	92.800%	
66) 1,2-Dichlorobenzene-d4	12.190	152	89017	39.417	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	78.840%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	62857	40.306	ug/L	99
3) Chloromethane	1.518	50	75452	49.304	ug/L	95
5) Vinyl chloride	1.602	62	83973	46.743	ug/L	100
6) Bromomethane	1.850	94	52734	55.884	ug/L	96
8) Chloroethane	1.927	64	52940	45.265	ug/L	96
9) Trichlorofluoromethane	2.132	101	111679	44.653	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	72406	45.481	ug/L	96
12) 1,1-Dichloroethene	2.573	96	62404	41.913	ug/L	99
13) Acetone	2.621	43	101560	88.024	ug/L	96
14) Carbon disulfide	2.788	76	142304	37.869	ug/L	100
15) Methyl Acetate	2.943	43	94963	54.591	ug/L	92
16) Methylene chloride	3.039	84	83328	44.383	ug/L	92
17) trans-1,2-Dichloroethene	3.348	96	64602	42.146	ug/L	98
18) Methyl tert-butyl Ether	3.354	73	223449	44.883	ug/L	97
19) 1,1-Dichloroethane	3.859	63	143450	49.344	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	81000	43.640	ug/L	96
22) 2-Butanone	4.695	43	139323	98.147	ug/L	97
23) Bromochloromethane	4.968	128	41546	42.437	ug/L	88
25) Chloroform	5.081	83	150035	47.960	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	107614	45.313	ug/L	100
29) Cyclohexane	5.383	56	96032	43.186	ug/L	93
30) 1,1,1-Trichloroethane	5.309	97	115323	44.825	ug/L	99
31) Carbon tetrachloride	5.518	117	95792	45.075	ug/L	98
33) Benzene	5.769	78	321518	47.943	ug/L	100
34) Trichloroethene	6.537	95	80144	44.783	ug/L	96
35) Methylcyclohexane	6.756	83	101963	41.254	ug/L	94
37) 1,2-Dichloropropane	6.785	63	94387	51.133	ug/L	99
38) Bromodichloromethane	7.100	83	112983	48.306	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	128445	45.480	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	244414	104.762	ug/L	98
42) Toluene	7.965	91	339933	46.431	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	119680	46.134	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	91539	47.352	ug/L	98
46) Tetrachloroethene	8.550	164	56432	38.331	ug/L	95
48) 2-Hexanone	8.679	43	204520	104.744	ug/L	98
49) Dibromochloromethane	8.804	129	87566	45.972	ug/L	97
50) 1,2-Dibromoethane	8.917	107	91075	45.059	ug/L	100
51) Chlorobenzene	9.441	112	214390	44.110	ug/L	98
52) Ethylbenzene	9.566	91	349642	44.721	ug/L	97
53) m,p-Xylene	9.688	106	130591	42.899	ug/L	93
54) o-Xylene	10.097	106	128547	43.914	ug/L	94
55) Styrene	10.110	104	233167	47.214	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	162672	49.898	ug/L	98
59) Bromoform	10.287	173	69950	47.073	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	122701	52.607	ug/L	97
61) Isopropylbenzene	10.479	105	341597	47.683	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	240400	45.839	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	258873	46.083	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	166976	44.942	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	172144	44.820	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	170198	45.347	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	33155	51.978	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	114557	42.766	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	98422	40.765	ug/L	99
71) Naphthalene	14.081	128	314623	45.093	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	108321	44.717	ug/L	99

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

