

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062624\
 Data File : VU059522.D
 Acq On : 26 Jun 2024 13:16
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050194

Quant Time: Jun 27 04:08:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 00:01:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	201456	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	205275	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	108943	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	64834	53.750	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 107.500%		
7) Chloroethane-d5	1.908	69	54936	53.168	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 106.340%		
11) 1,1-Dichloroethene-d2	2.563	63	117424	49.319	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 98.640%		
21) 2-Butanone-d5	4.612	46	91908	80.839	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 80.840%		
24) Chloroform-d	5.055	84	128905	53.683	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 107.360%		
26) 1,2-Dichloroethane-d4	5.695	65	74036	50.305	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 100.620%		
32) Benzene-d6	5.721	84	250870	53.248	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 106.500%		
36) 1,2-Dichloropropane-d6	6.685	67	77483	47.697	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 95.400%		
41) Toluene-d8	7.894	98	237751	59.445	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 118.880%		
43) trans-1,3-Dichloroprop...	8.174	79	33666	51.270	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 102.540%		
47) 2-Hexanone-d5	8.624	63	64387	85.712	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 85.710%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	127514	46.381	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 92.760%		
66) 1,2-Dichlorobenzene-d4	12.187	152	90683	55.778	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 111.560%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	92528	45.330	ug/L	99
3) Chloromethane	1.518	50	92713	39.301	ug/L	98
5) Vinyl chloride	1.602	62	104167	44.937	ug/L	97
6) Bromomethane	1.850	94	71091	38.334	ug/L	97
8) Chloroethane	1.930	64	65855	45.558	ug/L	98
9) Trichlorofluoromethane	2.133	101	140267	51.999	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	87905	56.010	ug/L	90
12) 1,1-Dichloroethene	2.573	96	77469	54.422	ug/L	86
13) Acetone	2.615	43	95925	71.781	ug/L	95
14) Carbon disulfide	2.789	76	220090	45.909	ug/L	100
15) Methyl Acetate	2.940	43	94554	44.668	ug/L	96
16) Methylene chloride	3.039	84	96218	49.956	ug/L	87
17) trans-1,2-Dichloroethene	3.345	96	81212	52.858	ug/L	91
18) Methyl tert-butyl Ether	3.351	73	238102	47.709	ug/L	97
19) 1,1-Dichloroethane	3.859	63	157031	47.683	ug/L	96
20) cis-1,2-Dichloroethene	4.657	96	92809	53.010	ug/L	90
22) 2-Butanone	4.689	43	133870	82.743	ug/L	92
23) Bromochloromethane	4.965	128	51527	58.102	ug/L #	80
25) Chloroform	5.081	83	166866	52.329	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	124182	46.099	ug/L	96
29) Cyclohexane	5.383	56	116245	42.417	ug/L	91
30) 1,1,1-Trichloroethane	5.309	97	134067	50.231	ug/L	97
31) Carbon tetrachloride	5.518	117	113984	52.577	ug/L	100
33) Benzene	5.766	78	363919	49.096	ug/L	100
34) Trichloroethene	6.538	95	92286	50.847	ug/L	90
35) Methylcyclohexane	6.759	83	133317	49.958	ug/L	93
37) 1,2-Dichloropropane	6.785	63	96136	45.675	ug/L #	98
38) Bromodichloromethane	7.100	83	124740	50.878	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	140908	48.385	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	243009	88.066	ug/L #	94
42) Toluene	7.965	91	393859	52.936	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	132118	50.112	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	100368	53.036	ug/L	98
46) Tetrachloroethene	8.547	164	75887	62.772	ug/L	89
48) 2-Hexanone	8.676	43	197376	84.811	ug/L #	94
49) Dibromochloromethane	8.804	129	99715	58.304	ug/L	98
50) 1,2-Dibromoethane	8.917	107	105647	54.119	ug/L	98
51) Chlorobenzene	9.441	112	248304	55.294	ug/L	94
52) Ethylbenzene	9.566	91	402551	52.480	ug/L	96
53) m,p-Xylene	9.689	106	156975	55.682	ug/L	93
54) o-Xylene	10.097	106	152055	55.655	ug/L	93
55) Styrene	10.110	104	273308	58.851	ug/L	91
57) 1,1,2,2-Tetrachloroethane	10.775	83	173924	50.451	ug/L	97
59) Bromoform	10.287	173	84028	58.826	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	132988	43.897	ug/L	97
61) Isopropylbenzene	10.480	105	400044	52.195	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	283267	51.010	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	310745	51.620	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	201465	56.241	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	204404	55.251	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	200387	53.522	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	36798	47.911	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.216	180	139571	58.996	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	118322	62.620	ug/L	99
71) Naphthalene	14.084	128	343209	57.384	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	127175	66.202	ug/L	98

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

