

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062024\
 Data File : VU059366.D
 Acq On : 20 Jun 2024 09:20
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050187

Quant Time: Jun 21 05:50:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 05:32:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	219639	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	220170	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	116332	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	50369	38.301	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.600%
7) Chloroethane-d5	1.907	69	47713	42.355	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.700%
11) 1,1-Dichloroethene-d2	2.563	63	104965	40.437	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.880%
21) 2-Butanone-d5	4.611	46	88848	71.678	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.680%
24) Chloroform-d	5.055	84	115777	44.224	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.440%
26) 1,2-Dichloroethane-d4	5.695	65	69730	43.457	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.920%
32) Benzene-d6	5.721	84	223383	44.206	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.420%
36) 1,2-Dichloropropane-d6	6.685	67	71319	40.933	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.860%
41) Toluene-d8	7.894	98	204531	47.679	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.360%
43) trans-1,3-Dichloroprop...	8.174	79	29523	41.919	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.840%
47) 2-Hexanone-d5	8.627	63	58519	72.630	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.630%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	115819	39.277	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	78.560%
66) 1,2-Dichlorobenzene-d4	12.187	152	80194	46.193	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	95028	42.701	ug/L	99
3) Chloromethane	1.518	50	96998	37.713	ug/L	97
5) Vinyl chloride	1.602	62	112319	44.442	ug/L	99
6) Bromomethane	1.850	94	73995	36.596	ug/L	98
8) Chloroethane	1.927	64	67984	43.137	ug/L	97
9) Trichlorofluoromethane	2.132	101	143335	48.738	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	88005	51.432	ug/L	91
12) 1,1-Dichloroethene	2.573	96	78974	50.886	ug/L	81
13) Acetone	2.615	43	119286	81.873	ug/L	96
14) Carbon disulfide	2.788	76	231465	44.284	ug/L	100
15) Methyl Acetate	2.939	43	91120	39.482	ug/L	94
16) Methylene chloride	3.039	84	93903	44.718	ug/L	89
17) trans-1,2-Dichloroethene	3.345	96	82938	49.513	ug/L	88
18) Methyl tert-butyl Ether	3.354	73	244676	44.968	ug/L	96
19) 1,1-Dichloroethane	3.859	63	156207	43.506	ug/L	96
20) cis-1,2-Dichloroethene	4.660	96	95273	49.912	ug/L	89
22) 2-Butanone	4.692	43	145661	82.578	ug/L	94
23) Bromochloromethane	4.965	128	50513	52.244	ug/L	83
25) Chloroform	5.078	83	165448	47.589	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	127762	43.501	ug/L	96
29) Cyclohexane	5.383	56	120893	41.129	ug/L	91
30) 1,1,1-Trichloroethane	5.309	97	134959	47.145	ug/L	96
31) Carbon tetrachloride	5.518	117	114371	49.187	ug/L	100
33) Benzene	5.766	78	364187	45.809	ug/L	100
34) Trichloroethene	6.537	95	97207	49.935	ug/L	93
35) Methylcyclohexane	6.759	83	139104	48.600	ug/L	93
37) 1,2-Dichloropropane	6.785	63	96677	42.824	ug/L #	98
38) Bromodichloromethane	7.100	83	124612	47.387	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	142142	45.507	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	243085	82.134	ug/L #	94
42) Toluene	7.965	91	402860	50.482	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	131910	46.648	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	99713	49.126	ug/L	98
46) Tetrachloroethene	8.550	164	75651	58.343	ug/L	92
48) 2-Hexanone	8.676	43	205098	82.167	ug/L #	97
49) Dibromochloromethane	8.804	129	97407	53.101	ug/L	99
50) 1,2-Dibromoethane	8.917	107	103899	49.623	ug/L	97
51) Chlorobenzene	9.441	112	247500	51.386	ug/L	96
52) Ethylbenzene	9.566	91	409329	49.753	ug/L	97
53) m,p-Xylene	9.688	106	160820	53.187	ug/L	93
54) o-Xylene	10.097	106	154972	52.885	ug/L	91
55) Styrene	10.110	104	271383	54.484	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.775	83	164041	44.365	ug/L	96
59) Bromoform	10.283	173	79864	52.360	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	131727	40.719	ug/L	99
61) Isopropylbenzene	10.479	105	405434	49.538	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	289094	48.752	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	317264	49.355	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	204078	53.352	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	201588	51.029	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	199717	49.955	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	36151	44.079	ug/L #	82
69) 1,3,5-Trichlorobenzene	13.216	180	140033	55.432	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	117552	58.261	ug/L	98
71) Naphthalene	14.081	128	356529	55.825	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	122867	59.897	ug/L	97

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

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