

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062724\
 Data File : VU059546.D
 Acq On : 27 Jun 2024 08:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050196

Quant Time: Jun 28 04:06:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 27 04:10:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	210184	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	212582	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	111954	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	65666	52.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.360%
7) Chloroethane-d5	1.907	69	58340	54.118	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.240%
11) 1,1-Dichloroethene-d2	2.563	63	121354	48.854	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.700%
21) 2-Butanone-d5	4.612	46	98804	83.296	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.300%
24) Chloroform-d	5.055	84	132641	52.945	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.900%
26) 1,2-Dichloroethane-d4	5.692	65	79192	51.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.140%
32) Benzene-d6	5.721	84	262095	53.718	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.440%
36) 1,2-Dichloropropane-d6	6.685	67	81785	48.615	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.240%
41) Toluene-d8	7.891	98	242152	58.464	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.920%
43) trans-1,3-Dichloroprop...	8.174	79	36608	53.834	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.660%
47) 2-Hexanone-d5	8.627	63	66607	85.619	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.620%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	134831	47.356	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.720%
66) 1,2-Dichlorobenzene-d4	12.187	152	90868	54.388	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	93598	43.950	ug/L	98
3) Chloromethane	1.518	50	94231	38.285	ug/L	98
5) Vinyl chloride	1.599	62	107338	44.382	ug/L	99
6) Bromomethane	1.850	94	72177	37.303	ug/L	99
8) Chloroethane	1.927	64	67490	44.750	ug/L	97
9) Trichlorofluoromethane	2.133	101	141890	50.417	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	88664	54.148	ug/L	90
12) 1,1-Dichloroethene	2.573	96	78899	53.125	ug/L	84
13) Acetone	2.612	43	141615	101.571	ug/L	95
14) Carbon disulfide	2.785	76	224561	44.896	ug/L	99
15) Methyl Acetate	2.936	43	95834	43.393	ug/L	93
16) Methylene chloride	3.036	84	99268	49.399	ug/L	87
17) trans-1,2-Dichloroethene	3.345	96	82685	51.582	ug/L	90
18) Methyl tert-butyl Ether	3.351	73	241784	46.435	ug/L	97
19) 1,1-Dichloroethane	3.859	63	160012	46.570	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	94043	51.484	ug/L	91
22) 2-Butanone	4.689	43	160825	95.276	ug/L	94
23) Bromochloromethane	4.965	128	52190	56.406	ug/L	# 79
25) Chloroform	5.078	83	170658	51.295	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	132518	47.150	ug/L	95
29) Cyclohexane	5.380	56	117528	41.411	ug/L	91
30) 1,1,1-Trichloroethane	5.306	97	135903	49.169	ug/L	97
31) Carbon tetrachloride	5.515	117	116678	51.970	ug/L	100
33) Benzene	5.766	78	369324	48.113	ug/L	100
34) Trichloroethene	6.534	95	94471	50.262	ug/L	92
35) Methylcyclohexane	6.759	83	135992	49.209	ug/L	94
37) 1,2-Dichloropropane	6.782	63	101245	46.449	ug/L	98
38) Bromodichloromethane	7.097	83	126834	49.954	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	144668	47.969	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	250274	87.581	ug/L #	95
42) Toluene	7.962	91	403244	52.334	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	133683	48.963	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	103684	52.905	ug/L	97
46) Tetrachloroethene	8.547	164	76160	60.832	ug/L	89
48) 2-Hexanone	8.676	43	212874	88.326	ug/L #	95
49) Dibromochloromethane	8.804	129	100695	56.853	ug/L	98
50) 1,2-Dibromoethane	8.917	107	107150	53.002	ug/L #	98
51) Chlorobenzene	9.441	112	248550	53.446	ug/L	94
52) Ethylbenzene	9.566	91	400599	50.430	ug/L	96
53) m,p-Xylene	9.689	106	158372	54.247	ug/L	94
54) o-Xylene	10.094	106	153063	54.098	ug/L	91
55) Styrene	10.110	104	272524	56.666	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	177391	49.688	ug/L	99
59) Bromoform	10.283	173	84339	57.456	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	133527	42.889	ug/L	98
61) Isopropylbenzene	10.479	105	398194	50.556	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	278202	48.750	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	304871	49.282	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	199951	54.317	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	201441	52.986	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	199161	51.764	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	37463	47.465	ug/L #	76
69) 1,3,5-Trichlorobenzene	13.216	180	135332	55.666	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	110933	57.130	ug/L	99
71) Naphthalene	14.081	128	316284	51.460	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	119839	60.706	ug/L	99

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

