

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U061024\
 Data File : VU059205.D
 Acq On : 10 Jun 2024 15:12
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050181

Quant Time: Jun 11 06:03:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 05:56:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	296086	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	290849	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	155007	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	83974	47.368	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.740%		
7) Chloroethane-d5	1.907	69	73254	48.238	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.480%		
11) 1,1-Dichloroethene-d2	2.563	63	170473	48.717	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.440%		
21) 2-Butanone-d5	4.612	46	116913	69.967	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	69.970%		
24) Chloroform-d	5.055	84	164439	46.595	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.180%		
26) 1,2-Dichloroethane-d4	5.695	65	96814	44.758	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.520%		
32) Benzene-d6	5.721	84	327998	49.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.280%		
36) 1,2-Dichloropropane-d6	6.682	67	102506	44.535	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.080%		
41) Toluene-d8	7.891	98	301592	53.221	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.440%		
43) trans-1,3-Dichloroprop...	8.174	79	44230	47.540	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.080%		
47) 2-Hexanone-d5	8.624	63	81320	76.403	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.400%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	152083	39.042	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	78.080%		
66) 1,2-Dichlorobenzene-d4	12.187	152	110270	47.669	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	138226	46.075	ug/L	98
3) Chloromethane	1.518	50	145876	42.073	ug/L	99
5) Vinyl chloride	1.602	62	160738	47.180	ug/L	100
6) Bromomethane	1.853	94	102864	37.739	ug/L	97
8) Chloroethane	1.930	64	97489	45.887	ug/L	100
9) Trichlorofluoromethane	2.136	101	194180	48.979	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	119617	51.857	ug/L	94
12) 1,1-Dichloroethene	2.576	96	112600	53.821	ug/L	84
13) Acetone	2.615	43	176036	89.628	ug/L	99
14) Carbon disulfide	2.788	76	339195	48.140	ug/L	100
15) Methyl Acetate	2.940	43	134400	43.200	ug/L	98
16) Methylene chloride	3.036	84	144649	51.098	ug/L	91
17) trans-1,2-Dichloroethene	3.345	96	116976	51.803	ug/L	91
18) Methyl tert-butyl Ether	3.351	73	366677	49.990	ug/L	97
19) 1,1-Dichloroethane	3.859	63	229909	47.500	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	134720	52.355	ug/L	87
22) 2-Butanone	4.689	43	209270	88.007	ug/L	94
23) Bromochloromethane	4.965	128	67971	52.149	ug/L	89
25) Chloroform	5.078	83	235252	50.196	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	183609	46.375	ug/L	98
29) Cyclohexane	5.380	56	191113	49.218	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	186863	49.413	ug/L	98
31) Carbon tetrachloride	5.518	117	155199	50.526	ug/L	100
33) Benzene	5.766	78	519277	49.444	ug/L	100
34) Trichloroethene	6.534	95	138684	53.929	ug/L	94
35) Methylcyclohexane	6.756	83	203277	53.762	ug/L	94
37) 1,2-Dichloropropane	6.782	63	141127	47.323	ug/L	99
38) Bromodichloromethane	7.097	83	172254	49.586	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	207645	50.323	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	372353	95.238	ug/L	98
42) Toluene	7.962	91	558786	53.005	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	187478	50.188	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	138025	51.476	ug/L	98
46) Tetrachloroethene	8.547	164	98828	57.696	ug/L	95
48) 2-Hexanone	8.676	43	294273	89.243	ug/L	96
49) Dibromochloromethane	8.801	129	129899	53.606	ug/L	98
50) 1,2-Dibromoethane	8.917	107	143610	51.921	ug/L	96
51) Chlorobenzene	9.441	112	346791	54.504	ug/L	98
52) Ethylbenzene	9.563	91	599193	55.133	ug/L	100
53) m,p-Xylene	9.689	106	221979	55.573	ug/L	98
54) o-Xylene	10.094	106	218046	56.327	ug/L	96
55) Styrene	10.107	104	375212	57.023	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	228155	46.710	ug/L	100
59) Bromoform	10.283	173	102569	50.467	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	185542	43.044	ug/L	99
61) Isopropylbenzene	10.476	105	577908	52.994	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	423196	53.561	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	469149	54.774	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	271243	53.218	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	272534	51.775	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	270226	50.727	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	48498	44.380	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.213	180	187891	55.819	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	156866	58.348	ug/L	99
71) Naphthalene	14.081	128	462598	54.361	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	160800	58.831	ug/L	98

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

