

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060324\
 Data File : VU059118.D
 Acq On : 03 Jun 2024 11:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050172

Quant Time: Jun 04 06:58:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 01 01:17:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	212720	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	212907	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	108972	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	54665	42.920	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.840%
7) Chloroethane-d5	1.907	69	49344	45.227	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.460%
11) 1,1-Dichloroethene-d2	2.567	63	118621	47.184	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.360%
21) 2-Butanone-d5	4.608	46	120161	100.093	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.090%
24) Chloroform-d	5.055	84	129289	50.992	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.980%
26) 1,2-Dichloroethane-d4	5.695	65	76496	49.224	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.440%
32) Benzene-d6	5.721	84	232482	47.576	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.160%
36) 1,2-Dichloropropane-d6	6.682	67	78599	46.650	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.300%
41) Toluene-d8	7.891	98	199768	48.157	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.320%
43) trans-1,3-Dichloroprop...	8.174	79	34074	50.031	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.060%
47) 2-Hexanone-d5	8.624	63	74388	95.475	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.480%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	133274	46.738	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.480%
66) 1,2-Dichlorobenzene-d4	12.187	152	74078	45.552	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	118570	55.013	ug/L	100
3) Chloromethane	1.518	50	129465	51.974	ug/L	100
5) Vinyl chloride	1.602	62	134128	54.798	ug/L	99
6) Bromomethane	1.850	94	80433	41.074	ug/L	98
8) Chloroethane	1.927	64	80387	52.666	ug/L	100
9) Trichlorofluoromethane	2.132	101	152684	53.605	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	94064	56.761	ug/L	98
12) 1,1-Dichloroethene	2.573	96	84415	56.162	ug/L	93
13) Acetone	2.615	43	114826	81.375	ug/L	97
14) Carbon disulfide	2.785	76	280191	55.350	ug/L	99
15) Methyl Acetate	2.939	43	115517	51.682	ug/L	98
16) Methylene chloride	3.036	84	105196	51.725	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	89480	55.156	ug/L	98
18) Methyl tert-butyl Ether	3.354	73	272695	51.747	ug/L	100
19) 1,1-Dichloroethane	3.859	63	187976	54.057	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	98961	53.531	ug/L	95
22) 2-Butanone	4.689	43	163242	95.555	ug/L	99
23) Bromochloromethane	4.965	128	51640	55.146	ug/L	97
25) Chloroform	5.078	83	186536	55.400	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	150897	53.050	ug/L	100
29) Cyclohexane	5.383	56	149710	52.670	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	147659	53.341	ug/L	99
31) Carbon tetrachloride	5.518	117	121433	54.006	ug/L	98
33) Benzene	5.766	78	413539	53.791	ug/L	100
34) Trichloroethene	6.534	95	103752	55.115	ug/L	97
35) Methylcyclohexane	6.756	83	158019	57.092	ug/L	98
37) 1,2-Dichloropropane	6.782	63	114119	52.275	ug/L	99
38) Bromodichloromethane	7.097	83	140100	55.095	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	158121	52.350	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	306421	107.066	ug/L	100
42) Toluene	7.962	91	433188	56.134	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	149781	54.775	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	106305	54.160	ug/L	99
46) Tetrachloroethene	8.547	164	71943	57.376	ug/L	91
48) 2-Hexanone	8.676	43	245634	101.763	ug/L	97
49) Dibromochloromethane	8.804	129	97294	54.849	ug/L	99
50) 1,2-Dibromoethane	8.917	107	110544	54.598	ug/L	95
51) Chlorobenzene	9.441	112	253840	54.500	ug/L	99
52) Ethylbenzene	9.566	91	451109	56.702	ug/L	99
53) m,p-Xylene	9.688	106	169077	57.825	ug/L	100
54) o-Xylene	10.094	106	161441	56.972	ug/L	95
55) Styrene	10.110	104	289034	60.007	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.775	83	183724	51.383	ug/L	98
59) Bromoform	10.283	173	74100	51.862	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	146729	48.419	ug/L	99
61) Isopropylbenzene	10.479	105	429741	56.054	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	309850	55.782	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	342914	56.949	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	196235	54.766	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	198061	53.522	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	192671	51.447	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	38309	49.866	ug/L	91
69) 1,3,5-Trichlorobenzene	13.216	180	129535	54.739	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	104221	55.143	ug/L	98
71) Naphthalene	14.081	128	286818	47.943	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	108536	56.485	ug/L	99

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

