

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061424\
 Data File : VU059241.D
 Acq On : 14 Jun 2024 12:26
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050182

Quant Time: Jun 15 02:43:10 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	221190	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	227683	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	113955	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	68967	52.076	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.160%
7) Chloroethane-d5	1.908	69	61919	54.580	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.160%
11) 1,1-Dichloroethene-d2	2.564	63	134580	51.482	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.960%
21) 2-Butanone-d5	4.612	46	103163	82.643	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.640%
24) Chloroform-d	5.056	84	133330	50.572	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.140%
26) 1,2-Dichloroethane-d4	5.695	65	80434	49.776	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
32) Benzene-d6	5.721	84	268723	51.424	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.840%
36) 1,2-Dichloropropane-d6	6.683	67	85203	47.288	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.580%
41) Toluene-d8	7.891	98	239401	53.966	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.940%
43) trans-1,3-Dichloroprop...	8.174	79	34456	47.309	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.620%
47) 2-Hexanone-d5	8.625	63	66792	80.163	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.160%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	129682	42.527	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.060%
66) 1,2-Dichlorobenzene-d4	12.187	152	84136	49.474	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.940%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.381	85	109787	48.987	ug/L	100
3) Chloromethane	1.519	50	121094	46.752	ug/L	98
5) Vinyl chloride	1.602	62	128084	50.325	ug/L	100
6) Bromomethane	1.853	94	81461	40.006	ug/L	96
8) Chloroethane	1.927	64	78144	49.236	ug/L	98
9) Trichlorofluoromethane	2.133	101	152659	51.544	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	95684	55.528	ug/L	96
12) 1,1-Dichloroethene	2.573	96	85603	54.771	ug/L	93
13) Acetone	2.615	43	102823	70.078	ug/L	99
14) Carbon disulfide	2.786	76	265688	50.476	ug/L	99
15) Methyl Acetate	2.940	43	116608	50.172	ug/L	98
16) Methylene chloride	3.036	84	106451	50.338	ug/L	93
17) trans-1,2-Dichloroethene	3.345	96	90051	53.382	ug/L	94
18) Methyl tert-butyl Ether	3.355	73	272528	49.735	ug/L	98
19) 1,1-Dichloroethane	3.860	63	184631	51.061	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	101897	53.008	ug/L	92
22) 2-Butanone	4.689	43	162389	91.416	ug/L	98
23) Bromochloromethane	4.966	128	52720	54.144	ug/L	93
25) Chloroform	5.078	83	185153	52.883	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	145772	49.285	ug/L	98
29) Cyclohexane	5.384	56	146265	48.119	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	147719	49.899	ug/L	99
31) Carbon tetrachloride	5.519	117	121189	50.399	ug/L	98
33) Benzene	5.766	78	411283	50.025	ug/L	100
34) Trichloroethene	6.535	95	106185	52.747	ug/L	97
35) Methylcyclohexane	6.757	83	154663	52.253	ug/L	97
37) 1,2-Dichloropropane	6.782	63	113735	48.718	ug/L	99
38) Bromodichloromethane	7.097	83	139003	51.116	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	153202	47.429	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	302455	98.822	ug/L	99
42) Toluene	7.962	91	434752	52.681	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	147191	50.335	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	108390	51.638	ug/L	99
46) Tetrachloroethene	8.547	164	75029	55.954	ug/L	91
48) 2-Hexanone	8.676	43	229885	89.058	ug/L	97
49) Dibromochloromethane	8.805	129	101949	53.744	ug/L	100
50) 1,2-Dibromoethane	8.917	107	110327	50.954	ug/L #	95
51) Chlorobenzene	9.441	112	261506	52.502	ug/L	97
52) Ethylbenzene	9.563	91	446483	52.479	ug/L	99
53) m,p-Xylene	9.689	106	169966	54.357	ug/L	99
54) o-Xylene	10.094	106	164489	54.280	ug/L	100
55) Styrene	10.110	104	294321	57.139	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.776	83	187241	48.969	ug/L	98
59) Bromoform	10.284	173	79536	53.232	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	148517	46.866	ug/L	98
61) Isopropylbenzene	10.480	105	437429	54.562	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	310675	53.485	ug/L	99
63) 1,2,4-Trimethylbenzene	11.464	105	341811	54.283	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	203369	54.275	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	205305	53.054	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	200592	51.220	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	39250	48.856	ug/L	90
69) 1,3,5-Trichlorobenzene	13.216	180	136702	55.242	ug/L	99
70) 1,2,4-trichlorobenzene	13.837	180	112811	57.077	ug/L	97
71) Naphthalene	14.081	128	330789	52.875	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	118586	59.016	ug/L	99

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

