

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022124\
 Data File : VU057913.D
 Acq On : 21 Feb 2024 09:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050148

Quant Time: Feb 21 23:53:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 21 00:11:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	297854	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	286288	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	138952	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	90395	41.920	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.840%
7) Chloroethane-d5	1.908	69	71236	44.695	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.380%
11) 1,1-Dichloroethene-d2	2.564	63	179787	44.737	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.480%
21) 2-Butanone-d5	4.612	46	84606	103.263	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.260%
24) Chloroform-d	5.052	84	168121	45.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.960%
26) 1,2-Dichloroethane-d4	5.692	65	104946	45.785	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.560%
32) Benzene-d6	5.718	84	327721	45.678	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.360%
36) 1,2-Dichloropropane-d6	6.682	67	106662	46.041	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.080%
41) Toluene-d8	7.891	98	300569	46.281	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.560%
43) trans-1,3-Dichloroprop...	8.174	79	49876	45.210	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.420%
47) 2-Hexanone-d5	8.624	63	65147	73.149	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.150%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	128258	40.121	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.240%
66) 1,2-Dichlorobenzene-d4	12.187	152	99208	44.094	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.180%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	149036	45.642	ug/L	100
3) Chloromethane	1.515	50	142272	42.852	ug/L	99
5) Vinyl chloride	1.599	62	146049	44.547	ug/L	99
6) Bromomethane	1.853	94	79202	61.873	ug/L	99
8) Chloroethane	1.927	64	84627	44.137	ug/L	100
9) Trichlorofluoromethane	2.133	101	186150	46.401	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	112448	48.228	ug/L	99
12) 1,1-Dichloroethene	2.573	96	99368	46.076	ug/L	99
13) Acetone	2.609	43	139404	91.894	ug/L	100
14) Carbon disulfide	2.789	76	329348	46.665	ug/L	99
15) Methyl Acetate	2.937	43	100384	40.646	ug/L	100
16) Methylene chloride	3.036	84	113228	40.282	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	104419	46.670	ug/L	99
18) Methyl tert-butyl Ether	3.348	73	344807	44.265	ug/L	99
19) 1,1-Dichloroethane	3.859	63	211431	45.580	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	117513	45.784	ug/L	99
22) 2-Butanone	4.686	43	154843	84.250	ug/L	98
23) Bromochloromethane	4.965	128	56306	45.151	ug/L	98
25) Chloroform	5.078	83	210803	46.026	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	168159	44.125	ug/L	100
29) Cyclohexane	5.380	56	199592	47.370	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	179388	46.498	ug/L	99
31) Carbon tetrachloride	5.515	117	158075	47.714	ug/L	98
33) Benzene	5.766	78	455008	45.568	ug/L	100
34) Trichloroethene	6.535	95	120587	46.980	ug/L	99
35) Methylcyclohexane	6.756	83	202303	48.511	ug/L	100
37) 1,2-Dichloropropane	6.782	63	128440	45.586	ug/L	100
38) Bromodichloromethane	7.097	83	157947	46.683	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	203193	47.191	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	276775	78.038	ug/L	100
42) Toluene	7.962	91	484040	46.839	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	186731	46.732	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	110899	44.298	ug/L	99
46) Tetrachloroethene	8.547	164	85404	48.348	ug/L	97
48) 2-Hexanone	8.676	43	222234	76.768	ug/L	98
49) Dibromochloromethane	8.801	129	113592	45.561	ug/L	99
50) 1,2-Dibromoethane	8.917	107	118442	44.933	ug/L	99
51) Chlorobenzene	9.441	112	304212	46.293	ug/L	98
52) Ethylbenzene	9.563	91	544175	46.962	ug/L	99
53) m,p-Xylene	9.689	106	200809	47.652	ug/L	99
54) o-Xylene	10.094	106	195017	46.838	ug/L	95
55) Styrene	10.107	104	329177	46.103	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	169317	39.702	ug/L	99
59) Bromoform	10.284	173	78494	46.019	ug/L #	100
60) 1,2,3-Trichloropropane	10.814	75	132342	41.110	ug/L	99
61) Isopropylbenzene	10.476	105	529138	48.728	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	442691	47.318	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	438245	46.618	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	221726	46.180	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	223939	45.785	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	212764	45.043	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	29800	38.988	ug/L	96
69) 1,3,5-Trichlorobenzene	13.213	180	149684	46.351	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	121626	46.778	ug/L	100
71) Naphthalene	14.081	128	270425	39.166	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	103659	43.406	ug/L	98

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

