

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058964.D
 Acq On : 24 May 2024 10:44
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050159

Quant Time: May 24 22:22:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:52:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	183648	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	185312	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	93536	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87508	45.053	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.100%
7) Chloroethane-d5	1.908	69	87015	53.905	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.800%
11) 1,1-Dichloroethene-d2	2.560	63	141885	47.813	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.620%
21) 2-Butanone-d5	4.621	46	134197	100.583	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.580%
24) Chloroform-d	5.052	84	162023	48.632	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.260%
26) 1,2-Dichloroethane-d4	5.692	65	99892	49.026	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.060%
32) Benzene-d6	5.718	84	326038	51.607	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.220%
36) 1,2-Dichloropropane-d6	6.682	67	104927	50.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.560%
41) Toluene-d8	7.891	98	290744	51.342	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.680%
43) trans-1,3-Dichloroprop...	8.174	79	45242	48.285	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.560%
47) 2-Hexanone-d5	8.628	63	87956	101.916	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.920%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	157717	50.240	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.480%
66) 1,2-Dichlorobenzene-d4	12.187	152	97207	50.366	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.740%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	58682	47.759	ug/L	100
3) Chloromethane	1.515	50	63042	47.882	ug/L	96
5) Vinyl chloride	1.599	62	69311	45.081	ug/L	98
6) Bromomethane	1.853	94	41519	45.560	ug/L	98
8) Chloroethane	1.927	64	61182	58.026	ug/L	99
9) Trichlorofluoromethane	2.126	101	103876	49.674	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	70288	49.446	ug/L	99
12) 1,1-Dichloroethene	2.570	96	53876	47.355	ug/L	89
13) Acetone	2.631	43	102574	87.198	ug/L	99
14) Carbon disulfide	2.785	76	93714	43.782	ug/L	99
15) Methyl Acetate	2.943	43	93604	49.377	ug/L	98
16) Methylene chloride	3.036	84	77284	42.585	ug/L	100
17) trans-1,2-Dichloroethene	3.345	96	53725	47.006	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	228551	50.520	ug/L	100
19) 1,1-Dichloroethane	3.859	63	143546	49.302	ug/L	97
20) cis-1,2-Dichloroethene	4.654	96	74501	49.244	ug/L	97
22) 2-Butanone	4.699	43	142323	92.879	ug/L	99
23) Bromochloromethane	4.965	128	37771	47.892	ug/L	95
25) Chloroform	5.078	83	150826	49.064	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	115455	49.205	ug/L	98
29) Cyclohexane	5.380	56	81035	51.376	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	113943	51.230	ug/L	98
31) Carbon tetrachloride	5.515	117	90079	50.142	ug/L	100
33) Benzene	5.766	78	291558	52.334	ug/L	100
34) Trichloroethene	6.535	95	76434	51.692	ug/L	98
35) Methylcyclohexane	6.756	83	84649	48.843	ug/L	98
37) 1,2-Dichloropropane	6.782	63	92352	51.006	ug/L	99
38) Bromodichloromethane	7.097	83	114558	50.911	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	125060	50.145	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	275399	106.699	ug/L	99
42) Toluene	7.962	91	306872	51.387	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	116783	49.465	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	89530	50.086	ug/L	99
46) Tetrachloroethene	8.547	164	47051	47.725	ug/L	99
48) 2-Hexanone	8.679	43	220302	103.661	ug/L	97
49) Dibromochloromethane	8.801	129	85260	49.913	ug/L	96
50) 1,2-Dibromoethane	8.917	107	84410	49.418	ug/L	98
51) Chlorobenzene	9.441	112	192515	48.773	ug/L	98
52) Ethylbenzene	9.563	91	320063	49.525	ug/L	99
53) m,p-Xylene	9.689	106	117171	50.474	ug/L	100
54) o-Xylene	10.094	106	121220	52.173	ug/L	99
55) Styrene	10.110	104	217560	52.420	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.776	83	166948	51.827	ug/L	97
59) Bromoform	10.284	173	66347	53.517	ug/L	95
60) 1,2,3-Trichloropropane	10.817	75	130784	54.944	ug/L	98
61) Isopropylbenzene	10.480	105	322574	54.006	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	250598	53.255	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	258585	54.489	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	150757	48.617	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	155379	49.610	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	159501	50.571	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.988	75	32851	51.015	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	101578	46.507	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	83135	44.191	ug/L	98
71) Naphthalene	14.081	128	246328	44.892	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	91981	47.735	ug/L	98

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

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