

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058987.D
 Acq On : 24 May 2024 21:52
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050160

Quant Time: May 24 22:32:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 22:25:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	184956	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	186516	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	99425	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.593	65	85595	43.756	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.520%
7) Chloroethane-d5	1.872	69	67049	41.242	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.480%
11) 1,1-Dichloroethene-d2	2.548	63	138504	46.343	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.680%
21) 2-Butanone-d5	4.612	46	159754	118.891	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.890%
24) Chloroform-d	5.049	84	163801	48.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.640%
26) 1,2-Dichloroethane-d4	5.689	65	104180	50.769	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.540%
32) Benzene-d6	5.715	84	327073	51.437	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.880%
36) 1,2-Dichloropropane-d6	6.679	67	107487	51.178	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.360%
41) Toluene-d8	7.891	98	289842	50.853	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.700%
43) trans-1,3-Dichloroprop...	8.174	79	44403	47.083	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.160%
47) 2-Hexanone-d5	8.631	63	109554	126.122	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.120%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	177966	56.325	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.640%
66) 1,2-Dichlorobenzene-d4	12.187	152	106457	51.892	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	54826	44.306	ug/L	98
3) Chloromethane	1.516	50	61010	46.011	ug/L	98
5) Vinyl chloride	1.599	62	67671	43.703	ug/L	97
6) Bromomethane	1.824	94	42536	46.346	ug/L	99
8) Chloroethane	1.889	64	52620	49.553	ug/L	98
9) Trichlorofluoromethane	2.110	101	95130	45.169	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.561	101	61473	42.939	ug/L	98
12) 1,1-Dichloroethene	2.561	96	50939	44.457	ug/L	90
13) Acetone	2.618	43	104343	88.074	ug/L	98
14) Carbon disulfide	2.773	76	85971	39.881	ug/L	100
15) Methyl Acetate	2.937	43	108544	56.853	ug/L	99
16) Methylene chloride	3.030	84	76047	41.607	ug/L	98
17) trans-1,2-Dichloroethene	3.339	96	51683	44.899	ug/L	95
18) Methyl tert-butyl Ether	3.351	73	237892	52.213	ug/L	99
19) 1,1-Dichloroethane	3.853	63	142933	48.744	ug/L	100
20) cis-1,2-Dichloroethene	4.654	96	73568	48.284	ug/L	99
22) 2-Butanone	4.692	43	167771	108.712	ug/L	99
23) Bromochloromethane	4.962	128	37050	46.646	ug/L	93
25) Chloroform	5.075	83	150452	48.596	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	116799	49.426	ug/L	98
29) Cyclohexane	5.374	56	75995	47.869	ug/L	99
30) 1,1,1-Trichloroethane	5.303	97	112430	50.224	ug/L	98
31) Carbon tetrachloride	5.512	117	83780	46.335	ug/L	100
33) Benzene	5.763	78	289988	51.716	ug/L	100
34) Trichloroethene	6.531	95	69088	46.422	ug/L	98
35) Methylcyclohexane	6.753	83	73560	42.170	ug/L	95
37) 1,2-Dichloropropane	6.782	63	93786	51.464	ug/L	99
38) Bromodichloromethane	7.097	83	111227	49.112	ug/L	96
39) cis-1,3-Dichloropropene	7.599	75	119278	47.518	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	322387	124.098	ug/L	98
42) Toluene	7.962	91	300512	49.997	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	112773	47.458	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	92197	51.245	ug/L	98
46) Tetrachloroethene	8.547	164	42011	42.337	ug/L	96
48) 2-Hexanone	8.679	43	267930	125.258	ug/L	98
49) Dibromochloromethane	8.801	129	82345	47.895	ug/L	98
50) 1,2-Dibromoethane	8.917	107	84724	49.282	ug/L	97
51) Chlorobenzene	9.441	112	189258	47.638	ug/L	98
52) Ethylbenzene	9.563	91	312989	48.118	ug/L	99
53) m,p-Xylene	9.689	106	112366	48.092	ug/L	99
54) o-Xylene	10.094	106	117747	50.351	ug/L	98
55) Styrene	10.110	104	213795	51.181	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.776	83	189893	58.569	ug/L	99
59) Bromoform	10.287	173	67038	50.872	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	148732	58.784	ug/L	99
61) Isopropylbenzene	10.480	105	315724	49.728	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	246643	49.310	ug/L	99
63) 1,2,4-Trimethylbenzene	11.464	105	255728	50.696	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	153997	46.720	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	157434	47.289	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	171142	51.048	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	40105	58.592	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	102277	44.054	ug/L	98
70) 1,2,4-trichlorobenzene	13.837	180	84284	42.148	ug/L	96
71) Naphthalene	14.084	128	271380	46.528	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	91362	44.605	ug/L	99

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

