

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050123\
 Data File : VU054014.D
 Acq On : 01 May 2023 09:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050085

Quant Time: May 02 05:28:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM042923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 01 02:19:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	265701	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	247714	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	132096	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	99053	49.292	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.580%
7) Chloroethane-d5	1.912	69	68246	51.737	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.480%
11) 1,1-Dichloroethene-d2	2.568	63	175202	49.156	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.320%
21) 2-Butanone-d5	4.626	46	107523	93.816	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.820%
24) Chloroform-d	5.057	84	185360	50.223	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.440%
26) 1,2-Dichloroethane-d4	5.697	65	118206	49.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.760%
32) Benzene-d6	5.723	84	363762	49.889	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.780%
36) 1,2-Dichloropropane-d6	6.687	67	114909	49.920	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.840%
41) Toluene-d8	7.893	98	335228	50.924	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.840%
43) trans-1,3-Dichloroprop...	8.173	79	51588	45.287	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.580%
47) 2-Hexanone-d5	8.629	63	73159	88.736	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.740%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	146135	48.197	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.189	152	129112	50.033	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	95528	49.832	ug/L	99
3) Chloromethane	1.520	50	85496	48.527	ug/L	100
5) Vinyl chloride	1.604	62	92301	49.256	ug/L	98
6) Bromomethane	1.858	94	48434	46.366	ug/L	95
8) Chloroethane	1.935	64	50293	49.251	ug/L	100
9) Trichlorofluoromethane	2.137	101	148161	49.824	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	89516	50.334	ug/L	100
12) 1,1-Dichloroethene	2.578	96	76217	49.452	ug/L	93
13) Acetone	2.639	43	70739	62.883	ug/L	98
14) Carbon disulfide	2.793	76	171164	50.037	ug/L	98
15) Methyl Acetate	2.948	43	92220	52.346	ug/L	97
16) Methylene chloride	3.044	84	91504	47.075	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	76498	48.540	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	281236	48.541	ug/L	99
19) 1,1-Dichloroethane	3.864	63	168499	49.797	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	95801	49.467	ug/L	94
22) 2-Butanone	4.703	43	108012	81.326	ug/L	98
23) Bromochloromethane	4.970	128	50009	49.807	ug/L	97
25) Chloroform	5.083	83	175862	49.252	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	135773	49.435	ug/L	100
29) Cyclohexane	5.385	56	124855	48.769	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	152542	49.405	ug/L	100
31) Carbon tetrachloride	5.520	117	132621	50.347	ug/L	99
33) Benzene	5.771	78	358804	49.764	ug/L	100
34) Trichloroethene	6.536	95	93758	48.994	ug/L	98
35) Methylcyclohexane	6.758	83	130603	48.662	ug/L	99
37) 1,2-Dichloropropane	6.787	63	97320	47.709	ug/L	98
38) Bromodichloromethane	7.102	83	128647	50.058	ug/L	99
39) cis-1,3-Dichloropropene	7.600	75	138844	43.510	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	220817	92.889	ug/L	99
42) Toluene	7.964	91	374869	49.942	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	132988	43.852	ug/L	97
45) 1,1,2-Trichloroethane	8.394	97	98327	49.800	ug/L	96
46) Tetrachloroethene	8.549	164	73144	48.178	ug/L	99
48) 2-Hexanone	8.681	43	160089	84.975	ug/L	99
49) Dibromochloromethane	8.803	129	98107	50.425	ug/L	99
50) 1,2-Dibromoethane	8.919	107	99917	49.857	ug/L	94
51) Chlorobenzene	9.443	112	246015	49.002	ug/L	99
52) Ethylbenzene	9.565	91	417272	49.393	ug/L	100
53) m,p-Xylene	9.690	106	157516	49.654	ug/L	98
54) o-Xylene	10.095	106	154385	49.746	ug/L	99
55) Styrene	10.108	104	270037	50.729	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	147301	47.359	ug/L	100
59) Bromoform	10.285	173	72953	49.330	ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	116695	47.560	ug/L	98
61) Isopropylbenzene	10.478	105	418140	50.146	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	339988	49.757	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	340207	50.514	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	200136	49.075	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	202088	48.656	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	200946	48.822	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	29119	46.518	ug/L	96
69) 1,3,5-Trichlorobenzene	13.214	180	142040	48.065	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	128814	48.081	ug/L	99
71) Naphthalene	14.082	128	363703	46.804	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	129735	48.680	ug/L	100

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

