

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071923\
 Data File : VU054815.D
 Acq On : 19 Jul 2023 11:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

Quant Time: Jul 20 02:30:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	248871	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	244502	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137332	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	71727	37.290	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.580%
7) Chloroethane-d5	1.888	69	71181	36.993	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.980%
11) 1,1-Dichloroethene-d2	2.560	63	114659	41.555	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.120%
21) 2-Butanone-d5	4.618	46	111346	90.058	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.060%
24) Chloroform-d	5.055	84	136039	45.434	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.860%
26) 1,2-Dichloroethane-d4	5.695	65	82316	45.910	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.820%
32) Benzene-d6	5.721	84	254042	43.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.240%
36) 1,2-Dichloropropane-d6	6.685	67	89055	45.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.820%
41) Toluene-d8	7.894	98	247305	44.560	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.120%
43) trans-1,3-Dichloroprop...	8.174	79	43387	43.248	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.500%
47) 2-Hexanone-d5	8.630	63	83436	90.005	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	163414	45.367	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.740%
66) 1,2-Dichlorobenzene-d4	12.190	152	110643	46.885	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	90788	48.270	ug/L	100
3) Chloromethane	1.518	50	97002	45.223	ug/L	99
5) Vinyl chloride	1.602	62	130053	46.633	ug/L	100
6) Bromomethane	1.827	94	89441	52.692	ug/L	96
8) Chloroethane	1.911	64	82108	42.559	ug/L	95
9) Trichlorofluoromethane	2.123	101	200879	45.002	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	81362	49.410	ug/L	98
12) 1,1-Dichloroethene	2.570	96	74961	48.408	ug/L	94
13) Acetone	2.621	43	85738	82.447	ug/L	99
14) Carbon disulfide	2.785	76	213074	47.123	ug/L	100
15) Methyl Acetate	2.939	43	79471	45.816	ug/L	99
16) Methylene chloride	3.039	84	86881	46.477	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	76336	47.626	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	265869	47.931	ug/L	99
19) 1,1-Dichloroethane	3.859	63	150304	49.145	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	91195	47.870	ug/L	97
22) 2-Butanone	4.695	43	123154	85.780	ug/L	100
23) Bromochloromethane	4.968	128	47095	48.593	ug/L	95
25) Chloroform	5.081	83	154910	48.302	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071923\
 Data File : VU054815.D
 Acq On : 19 Jul 2023 11:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050106

Quant Time: Jul 20 02:30:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	118109	48.494	ug/L	98
29) Cyclohexane	5.380	56	130091	48.388	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	136841	50.431	ug/L	98
31) Carbon tetrachloride	5.518	117	117197	50.014	ug/L	98
33) Benzene	5.769	78	342028	48.824	ug/L	100
34) Trichloroethene	6.537	95	88079	49.394	ug/L	96
35) Methylcyclohexane	6.756	83	147100	50.477	ug/L	99
37) 1,2-Dichloropropane	6.785	63	93605	48.585	ug/L #	95
38) Bromodichloromethane	7.100	83	120630	48.802	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	154123	48.503	ug/L	94
40) 4-Methyl-2-pentanone	7.785	43	266811	90.442	ug/L	99
42) Toluene	7.965	91	390382	49.800	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	147088	49.269	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	95462	48.599	ug/L	99
46) Tetrachloroethene	8.550	164	70543	51.601	ug/L	97
48) 2-Hexanone	8.679	43	216276	88.495	ug/L	100
49) Dibromochloromethane	8.804	129	99636	49.246	ug/L	99
50) 1,2-Dibromoethane	8.920	107	99636	47.125	ug/L	92
51) Chlorobenzene	9.444	112	249348	48.894	ug/L	99
52) Ethylbenzene	9.566	91	445621	49.169	ug/L	96
53) m,p-Xylene	9.692	106	174354	50.529	ug/L	97
54) o-Xylene	10.097	106	171541	48.936	ug/L	94
55) Styrene	10.110	104	292669	47.938	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	176644	45.549	ug/L	99
59) Bromoform	10.286	173	85748	49.918	ug/L #	98
60) 1,2,3-Trichloropropane	10.817	75	127883	47.723	ug/L	99
61) Isopropylbenzene	10.479	105	462729	50.996	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	379556	50.792	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	367064	49.556	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	211436	50.243	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	211508	49.900	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	211187	49.957	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	32990	46.062	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	145449	51.560	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	124846	51.264	ug/L	100
71) Naphthalene	14.080	128	385900	48.278	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	119392	50.343	ug/L	99

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

