

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102323\
 Data File : VU055848.D
 Acq On : 23 Oct 2023 10:05
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050122

Quant Time: Oct 23 23:18:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 23 01:04:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	490250	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	491439	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	280196	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	172858	39.309	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.620%
7) Chloroethane-d5	1.901	69	153809	42.790	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.580%
11) 1,1-Dichloroethene-d2	2.563	63	349660	44.595	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.200%
21) 2-Butanone-d5	4.615	46	238294	73.133	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.130%
24) Chloroform-d	5.059	84	389308	46.181	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.360%
26) 1,2-Dichloroethane-d4	5.695	65	239107	46.081	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.160%
32) Benzene-d6	5.721	84	728627	46.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.680%
36) 1,2-Dichloropropane-d6	6.685	67	231522	46.510	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.020%
41) Toluene-d8	7.894	98	656162	46.215	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.420%
43) trans-1,3-Dichloroprop...	8.174	79	111547	46.649	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.300%
47) 2-Hexanone-d5	8.631	63	126860	64.826	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	64.830%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	366005	47.768	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.540%
66) 1,2-Dichlorobenzene-d4	12.190	152	283207	50.933	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.860%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	218710	53.579	ug/L	98
3) Chloromethane	1.518	50	207655	53.761	ug/L	99
5) Vinyl chloride	1.602	62	229953	54.098	ug/L	99
6) Bromomethane	1.840	94	135975	50.039	ug/L	96
8) Chloroethane	1.924	64	144837	51.946	ug/L	99
9) Trichlorofluoromethane	2.133	101	337507	55.573	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	209886	53.738	ug/L	99
12) 1,1-Dichloroethene	2.576	96	187034	53.814	ug/L	89
13) Acetone	2.618	43	309700	102.423	ug/L	99
14) Carbon disulfide	2.789	76	518314	49.005	ug/L	99
15) Methyl Acetate	2.940	43	205376	44.351	ug/L	98
16) Methylene chloride	3.039	84	216728	51.420	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	187575	52.779	ug/L	99
18) Methyl tert-butyl Ether	3.358	73	656281	57.419	ug/L	98
19) 1,1-Dichloroethane	3.862	63	380827	52.252	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	219099	54.016	ug/L	98
22) 2-Butanone	4.692	43	336284	92.270	ug/L	98
23) Bromochloromethane	4.968	128	112377	53.496	ug/L	94
25) Chloroform	5.081	83	398128	52.292	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	313055	51.410	ug/L	99
29) Cyclohexane	5.383	56	327558	58.150	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	347554	54.740	ug/L	98
31) Carbon tetrachloride	5.522	117	304672	54.822	ug/L	100
33) Benzene	5.769	78	830409	53.455	ug/L	100
34) Trichloroethene	6.538	95	231055	54.358	ug/L	97
35) Methylcyclohexane	6.759	83	353982	57.398	ug/L	99
37) 1,2-Dichloropropane	6.785	63	226979	53.061	ug/L	99
38) Bromodichloromethane	7.100	83	301254	53.403	ug/L	95
39) cis-1,3-Dichloropropene	7.602	75	368186	56.575	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	573323	96.339	ug/L	97
42) Toluene	7.965	91	909947	55.512	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	342178	54.952	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	224611	53.250	ug/L	95
46) Tetrachloroethene	8.550	164	164956	54.203	ug/L	98
48) 2-Hexanone	8.679	43	514433	102.341	ug/L	99
49) Dibromochloromethane	8.804	129	230538	53.490	ug/L	98
50) 1,2-Dibromoethane	8.920	107	242013	53.418	ug/L	98
51) Chlorobenzene	9.444	112	572069	53.940	ug/L	99
52) Ethylbenzene	9.566	91	1018603	56.838	ug/L	99
53) m,p-Xylene	9.689	106	387402	57.701	ug/L	94
54) o-Xylene	10.097	106	380013	58.490	ug/L	95
55) Styrene	10.110	104	664195	60.347	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	382949	53.022	ug/L	99
59) Bromoform	10.287	173	179182	51.948	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	301716	49.615	ug/L	98
61) Isopropylbenzene	10.480	105	1029268	58.924	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	867287	61.361	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	821572	58.783	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	493414	57.141	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	495132	55.771	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	496682	57.961	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	78746	43.314	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	330559	57.391	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	281385	58.651	ug/L	99
71) Naphthalene	14.084	128	826167	57.971	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	274925	58.122	ug/L	98

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

