

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101223\
 Data File : VU055757.D
 Acq On : 12 Oct 2023 10:32
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050113

Quant Time: Oct 12 22:14:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	455237	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	464340	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	253346	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	168057	41.157	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.320%
7) Chloroethane-d5	1.901	69	142483	42.688	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.380%
11) 1,1-Dichloroethene-d2	2.563	63	317264	43.576	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.160%
21) 2-Butanone-d5	4.612	46	271462	89.720	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.720%
24) Chloroform-d	5.058	84	359098	45.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.740%
26) 1,2-Dichloroethane-d4	5.695	65	227408	47.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.400%
32) Benzene-d6	5.721	84	674568	45.405	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	6.685	67	211755	45.022	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.040%
41) Toluene-d8	7.894	98	619181	46.155	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.320%
43) trans-1,3-Dichloroprop...	8.177	79	103007	45.592	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.180%
47) 2-Hexanone-d5	8.627	63	171405	92.701	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.700%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	347491	47.999	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	243299	48.394	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	188155	49.639	ug/L	100
3) Chloromethane	1.518	50	171059	47.693	ug/L	99
5) Vinyl chloride	1.602	62	189857	48.100	ug/L	97
6) Bromomethane	1.840	94	122888	48.701	ug/L	94
8) Chloroethane	1.924	64	121878	47.074	ug/L	99
9) Trichlorofluoromethane	2.133	101	287048	50.900	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	179349	49.451	ug/L	98
12) 1,1-Dichloroethene	2.576	96	154611	47.906	ug/L	95
13) Acetone	2.615	43	293237	104.437	ug/L	100
14) Carbon disulfide	2.788	76	429574	43.738	ug/L	98
15) Methyl Acetate	2.940	43	200489	46.625	ug/L	96
16) Methylene chloride	3.039	84	184828	47.224	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	159252	48.256	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	532508	50.174	ug/L	99
19) 1,1-Dichloroethane	3.862	63	326608	48.260	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	185068	49.135	ug/L	97
22) 2-Butanone	4.692	43	335548	99.149	ug/L	100
23) Bromochloromethane	4.968	128	96733	49.591	ug/L	97
25) Chloroform	5.081	83	344542	48.734	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	280909	49.679	ug/L	99
29) Cyclohexane	5.383	56	263235	49.459	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	298286	49.722	ug/L	99
31) Carbon tetrachloride	5.521	117	264720	50.413	ug/L	98
33) Benzene	5.769	78	732123	49.879	ug/L	100
34) Trichloroethene	6.538	95	199771	49.741	ug/L	99
35) Methylcyclohexane	6.759	83	293886	50.434	ug/L	100
37) 1,2-Dichloropropane	6.785	63	197455	48.853	ug/L	99
38) Bromodichloromethane	7.100	83	260375	48.850	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	308687	50.200	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	551788	98.132	ug/L	99
42) Toluene	7.965	91	784115	50.627	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	292916	49.786	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	198416	49.785	ug/L	99
46) Tetrachloroethene	8.550	164	140920	49.007	ug/L	97
48) 2-Hexanone	8.679	43	497836	104.819	ug/L	99
49) Dibromochloromethane	8.804	129	201538	49.491	ug/L	99
50) 1,2-Dibromoethane	8.920	107	214096	50.014	ug/L	99
51) Chlorobenzene	9.444	112	498664	49.762	ug/L	99
52) Ethylbenzene	9.566	91	859119	50.737	ug/L	99
53) m,p-Xylene	9.692	106	335168	52.835	ug/L	98
54) o-Xylene	10.097	106	323322	52.669	ug/L	97
55) Styrene	10.110	104	557702	53.629	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	347493	50.920	ug/L	99
59) Bromoform	10.287	173	156574	50.204	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	285425	51.911	ug/L	99
61) Isopropylbenzene	10.483	105	861691	54.559	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	712718	55.769	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	702871	55.620	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	408284	52.293	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	413229	51.478	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	408913	52.776	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	80931	49.234	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	261395	50.193	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	206361	47.572	ug/L	99
71) Naphthalene	14.084	128	611760	47.475	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	210818	49.293	ug/L	96

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

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