

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102523\
 Data File : VU055867.D
 Acq On : 25 Oct 2023 09:31
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050124

Quant Time: Oct 26 01:47:42 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	575849	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	577037	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	315711	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	184516	35.723	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.440%
7) Chloroethane-d5	1.907	69	169769	40.210	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.420%
11) 1,1-Dichloroethene-d2	2.567	63	379152	41.169	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.340%
21) 2-Butanone-d5	4.611	46	282870	73.909	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.910%
24) Chloroform-d	5.058	84	452148	45.662	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.320%
26) 1,2-Dichloroethane-d4	5.695	65	274049	44.964	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.920%
32) Benzene-d6	5.724	84	836603	45.313	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.620%
36) 1,2-Dichloropropane-d6	6.685	67	272705	46.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.320%
41) Toluene-d8	7.894	98	759240	45.542	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.080%
43) trans-1,3-Dichloroprop...	8.177	79	131129	46.704	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.400%
47) 2-Hexanone-d5	8.627	63	228291	99.353	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.350%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	419462	46.624	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.240%
66) 1,2-Dichlorobenzene-d4	12.190	152	309553	49.409	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	224035	46.725	ug/L	100
3) Chloromethane	1.522	50	232428	51.230	ug/L	99
5) Vinyl chloride	1.605	62	252335	50.539	ug/L	99
6) Bromomethane	1.849	94	160966	50.430	ug/L	98
8) Chloroethane	1.930	64	163972	50.067	ug/L	96
9) Trichlorofluoromethane	2.136	101	369799	51.839	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	234258	51.062	ug/L	97
12) 1,1-Dichloroethene	2.579	96	207293	50.777	ug/L	90
13) Acetone	2.615	43	280926	79.097	ug/L	99
14) Carbon disulfide	2.792	76	579893	46.677	ug/L	100
15) Methyl Acetate	2.939	43	211412	38.868	ug/L	95
16) Methylene chloride	3.042	84	246417	49.773	ug/L	93
17) trans-1,2-Dichloroethene	3.351	96	215831	51.702	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	729794	54.360	ug/L	98
19) 1,1-Dichloroethane	3.865	63	425141	49.661	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	252825	53.066	ug/L	97
22) 2-Butanone	4.692	43	319636	74.666	ug/L	100
23) Bromochloromethane	4.968	128	127817	51.801	ug/L	95
25) Chloroform	5.084	83	454693	50.844	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	356363	49.822	ug/L	100
29) Cyclohexane	5.386	56	370228	55.976	ug/L	98
30) 1,1,1-Trichloroethane	5.312	97	394863	52.966	ug/L	98
31) Carbon tetrachloride	5.521	117	343454	52.633	ug/L	97
33) Benzene	5.769	78	972135	53.295	ug/L	100
34) Trichloroethene	6.537	95	256752	51.444	ug/L	97
35) Methylcyclohexane	6.759	83	405371	55.980	ug/L	99
37) 1,2-Dichloropropane	6.785	63	256320	51.031	ug/L	99
38) Bromodichloromethane	7.100	83	341580	51.569	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	411795	53.889	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	600423	85.927	ug/L	96
42) Toluene	7.965	91	1060468	55.097	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	394548	53.963	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	252055	50.892	ug/L	98
46) Tetrachloroethene	8.550	164	195559	54.727	ug/L	98
48) 2-Hexanone	8.679	43	499962	84.707	ug/L	97
49) Dibromochloromethane	8.804	129	269709	53.296	ug/L	100
50) 1,2-Dibromoethane	8.920	107	271746	51.083	ug/L	99
51) Chlorobenzene	9.444	112	671657	53.935	ug/L	99
52) Ethylbenzene	9.566	91	1189970	56.551	ug/L	100
53) m,p-Xylene	9.692	106	453257	57.495	ug/L	95
54) o-Xylene	10.097	106	443802	58.176	ug/L	96
55) Styrene	10.110	104	766733	59.330	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	425455	50.169	ug/L	100
59) Bromoform	10.286	173	203730	52.420	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	324030	47.291	ug/L	98
61) Isopropylbenzene	10.479	105	1193357	60.633	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1039470	65.270	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	1040678	66.084	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	555368	57.081	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	557859	55.768	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	551729	57.142	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	88494	43.200	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	400135	61.656	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	345189	63.857	ug/L	99
71) Naphthalene	14.084	128	976505	60.812	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	329123	61.753	ug/L	99

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

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