

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054798.D
 Acq On : 17 Jul 2023 17:45
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050103

Quant Time: Jul 18 06:02:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:50:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	231249	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	228793	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	129725	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	82024	45.892	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.780%
7) Chloroethane-d5	1.882	69	82122	45.931	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.860%
11) 1,1-Dichloroethene-d2	2.557	63	120194	46.881	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.760%
21) 2-Butanone-d5	4.618	46	121940	106.142	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.140%
24) Chloroform-d	5.055	84	136124	48.926	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.860%
26) 1,2-Dichloroethane-d4	5.695	65	84239	50.562	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.120%
32) Benzene-d6	5.721	84	268598	49.285	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.560%
36) 1,2-Dichloropropane-d6	6.685	67	90596	49.368	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.740%
41) Toluene-d8	7.894	98	256945	49.476	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.960%
43) trans-1,3-Dichloroprop...	8.177	79	43974	46.843	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.680%
47) 2-Hexanone-d5	8.631	63	88477	101.996	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	168613	50.024	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.040%
66) 1,2-Dichlorobenzene-d4	12.190	152	110890	49.745	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	64978	37.180	ug/L	97
3) Chloromethane	1.518	50	75904	38.084	ug/L	99
5) Vinyl chloride	1.602	62	105283	40.628	ug/L	99
6) Bromomethane	1.827	94	64252	40.737	ug/L	99
8) Chloroethane	1.907	64	75518	42.126	ug/L	99
9) Trichlorofluoromethane	2.120	101	185423	44.705	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	70961	46.378	ug/L	98
12) 1,1-Dichloroethene	2.566	96	62706	43.580	ug/L	92
13) Acetone	2.621	43	76452	79.120	ug/L	97
14) Carbon disulfide	2.782	76	134193	31.939	ug/L	99
15) Methyl Acetate	2.943	43	82569	51.230	ug/L	98
16) Methylene chloride	3.039	84	80150	46.143	ug/L	96
17) trans-1,2-Dichloroethene	3.345	96	63279	42.489	ug/L	97
18) Methyl tert-butyl Ether	3.357	73	260878	50.615	ug/L	100
19) 1,1-Dichloroethane	3.859	63	140117	49.306	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	84534	47.755	ug/L	98
22) 2-Butanone	4.695	43	130949	98.160	ug/L	100
23) Bromochloromethane	4.968	128	42345	47.022	ug/L	93
25) Chloroform	5.081	83	150394	50.468	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	111653	49.337	ug/L	100
29) Cyclohexane	5.380	56	100588	39.983	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	126975	50.008	ug/L	98
31) Carbon tetrachloride	5.518	117	102836	46.899	ug/L	98
33) Benzene	5.769	78	307523	46.912	ug/L	100
34) Trichloroethene	6.537	95	76695	45.963	ug/L	95
35) Methylcyclohexane	6.759	83	107124	39.283	ug/L	99
37) 1,2-Dichloropropane	6.785	63	89833	49.828	ug/L	99
38) Bromodichloromethane	7.100	83	115996	50.150	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	137862	46.365	ug/L	96
40) 4-Methyl-2-pentanone	7.788	43	293358	106.268	ug/L	99
42) Toluene	7.965	91	347260	47.341	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	135612	48.544	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	91530	49.796	ug/L	97
46) Tetrachloroethene	8.550	164	55723	43.559	ug/L	93
48) 2-Hexanone	8.682	43	236708	103.505	ug/L	99
49) Dibromochloromethane	8.807	129	94761	50.052	ug/L	98
50) 1,2-Dibromoethane	8.920	107	96524	48.787	ug/L	96
51) Chlorobenzene	9.444	112	235487	49.347	ug/L	98
52) Ethylbenzene	9.566	91	402168	47.422	ug/L	96
53) m,p-Xylene	9.692	106	152314	47.172	ug/L	91
54) o-Xylene	10.097	106	157560	48.034	ug/L	89
55) Styrene	10.110	104	276373	48.377	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	184711	50.899	ug/L	98
59) Bromoform	10.286	173	82797	51.026	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	131276	51.862	ug/L	98
61) Isopropylbenzene	10.479	105	425252	49.614	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	344548	48.811	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	315153	45.043	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	196018	49.311	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	198006	49.454	ug/L	87
67) 1,2-Dichlorobenzene	12.209	146	201359	50.425	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	35894	53.056	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	134646	50.530	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	119270	51.846	ug/L	99
71) Naphthalene	14.084	128	384522	50.926	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	116999	52.227	ug/L	99

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

