

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052954.D
 Acq On : 03 Feb 2023 19:14
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050152

Quant Time: Feb 03 23:50:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	205990	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	203581	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	122530	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	56596	38.173	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.340%
7) Chloroethane-d5	1.909	69	56774	46.473	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.940%
11) 1,1-Dichloroethene-d2	2.568	63	128342	43.522	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.040%
21) 2-Butanone-d5	4.616	46	74971	81.856	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.860%
24) Chloroform-d	5.057	84	155722	49.214	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.420%
26) 1,2-Dichloroethane-d4	5.697	65	98168	48.589	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.180%
32) Benzene-d6	5.722	84	276940	44.526	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.060%
36) 1,2-Dichloropropane-d6	6.684	67	81008	44.408	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.820%
41) Toluene-d8	7.893	98	258335	45.613	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.220%
43) trans-1,3-Dichloroprop...	8.176	79	42768	46.777	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.560%
47) 2-Hexanone-d5	8.629	63	51027	79.611	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.610%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	120510	44.714	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.420%
66) 1,2-Dichlorobenzene-d4	12.188	152	110506	46.447	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	90305	46.818	ug/L	100
3) Chloromethane	1.520	50	75895	47.707	ug/L	98
5) Vinyl chloride	1.604	62	86834	49.339	ug/L	99
6) Bromomethane	1.854	94	60332	54.357	ug/L	99
8) Chloroethane	1.932	64	57482	52.001	ug/L	96
9) Trichlorofluoromethane	2.137	101	157807	53.534	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	79661	47.944	ug/L	95
12) 1,1-Dichloroethene	2.578	96	74102	48.629	ug/L	98
13) Acetone	2.626	43	68056	60.840	ug/L	98
14) Carbon disulfide	2.790	76	207017	44.980	ug/L	100
15) Methyl Acetate	2.944	43	62998	41.799	ug/L	96
16) Methylene chloride	3.044	84	89951	49.623	ug/L	99
17) trans-1,2-Dichloroethene	3.349	96	78620	47.742	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	239555	49.472	ug/L	98
19) 1,1-Dichloroethane	3.864	63	141431	48.970	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	86584	49.245	ug/L	97
22) 2-Butanone	4.697	43	89862	75.158	ug/L	97
23) Bromochloromethane	4.967	128	49476	50.111	ug/L	97
25) Chloroform	5.083	83	162368	50.080	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	129848	50.589	ug/L	99
29) Cyclohexane	5.385	56	110123	45.648	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	149343	49.872	ug/L	99
31) Carbon tetrachloride	5.520	117	130289	50.191	ug/L	97
33) Benzene	5.767	78	336828	48.605	ug/L	100
34) Trichloroethene	6.539	95	85846	48.738	ug/L	98
35) Methylcyclohexane	6.758	83	128835	46.214	ug/L	98
37) 1,2-Dichloropropane	6.787	63	81130	47.619	ug/L #	94
38) Bromodichloromethane	7.102	83	126224	50.486	ug/L	96
39) cis-1,3-Dichloropropene	7.600	75	127612	47.815	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	172526	85.952	ug/L	99
42) Toluene	7.963	91	362095	50.983	ug/L	98
44) trans-1,3-Dichloropropene	8.205	75	126287	48.150	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	84653	48.588	ug/L	99
46) Tetrachloroethene	8.549	164	73573	48.509	ug/L	97
48) 2-Hexanone	8.677	43	130897	77.085	ug/L	97
49) Dibromochloromethane	8.806	129	103526	49.688	ug/L	99
50) 1,2-Dibromoethane	8.918	107	91125	48.596	ug/L	99
51) Chlorobenzene	9.443	112	240872	49.295	ug/L	98
52) Ethylbenzene	9.565	91	388357	51.167	ug/L	99
53) m,p-Xylene	9.690	106	158311	51.522	ug/L	97
54) o-xylene	10.095	106	151354	51.598	ug/L	96
55) Styrene	10.108	104	268604	53.362	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	132680	47.056	ug/L	97
59) Bromoform	10.285	173	76772	45.723	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	102873	43.282	ug/L	99
61) Isopropylbenzene	10.478	105	393396	49.711	ug/L	100
62) 1,3,5-Trimethylbenzene	11.082	105	333529	50.617	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	328855	51.576	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	192809	48.291	ug/L	99
65) 1,4-Dichlorobenzene	11.831	146	199109	48.172	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	201591	49.918	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	28181	41.365	ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	142872	48.336	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	122749	49.533	ug/L	97
71) Naphthalene	14.082	128	343102	48.179	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	129284	49.365	ug/L	98

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

