

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032023\
 Data File : VU053296.D
 Acq On : 20 Mar 2023 10:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050167

Quant Time: Mar 21 01:23:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 18 04:29:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	121251	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	115415	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	56900	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	45870	41.006	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.020%
7) Chloroethane-d5	1.910	69	38082	42.088	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.180%
11) 1,1-Dichloroethene-d2	2.566	63	80513	41.549	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.100%
21) 2-Butanone-d5	4.611	46	56969	109.806	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.810%
24) Chloroform-d	5.057	84	87651	47.574	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.140%
26) 1,2-Dichloroethane-d4	5.694	65	56366	49.262	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.520%
32) Benzene-d6	5.723	84	174390	46.584	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.160%
36) 1,2-Dichloropropane-d6	6.684	67	59266	49.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.100%
41) Toluene-d8	7.893	98	160493	46.048	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.100%
43) trans-1,3-Dichloroprop...	8.176	79	27687	46.446	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.900%
47) 2-Hexanone-d5	8.626	63	42434	112.340	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.340%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	81176	51.865	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.740%
66) 1,2-Dichlorobenzene-d4	12.189	152	53783	48.816	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	54325	42.924	ug/L	100
3) Chloromethane	1.521	50	49765	42.673	ug/L	99
5) Vinyl chloride	1.604	62	56135	44.002	ug/L	99
6) Bromomethane	1.855	94	28414	37.053	ug/L	100
8) Chloroethane	1.932	64	32054	42.537	ug/L	95
9) Trichlorofluoromethane	2.138	101	67551	42.439	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	41473	43.073	ug/L	98
12) 1,1-Dichloroethene	2.578	96	36900	41.439	ug/L	97
13) Acetone	2.614	43	52242	88.413	ug/L	95
14) Carbon disulfide	2.791	76	112452	41.695	ug/L	99
15) Methyl Acetate	2.942	43	39675	48.987	ug/L	99
16) Methylene chloride	3.041	84	44459	41.156	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	39159	43.342	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	136161	44.818	ug/L	99
19) 1,1-Dichloroethane	3.865	63	81497	44.189	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	45778	43.138	ug/L	100
22) 2-Butanone	4.691	43	66041	98.103	ug/L	100
23) Bromochloromethane	4.971	128	21995	43.469	ug/L	94
25) Chloroform	5.083	83	82914	44.927	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	68372	46.931	ug/L	97
29) Cyclohexane	5.385	56	76076	44.237	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	68748	43.700	ug/L	97
31) Carbon tetrachloride	5.520	117	56977	44.208	ug/L	99
33) Benzene	5.768	78	187249	46.797	ug/L	100
34) Trichloroethene	6.536	95	46841	44.896	ug/L	98
35) Methylcyclohexane	6.758	83	83759	45.800	ug/L	98
37) 1,2-Dichloropropane	6.784	63	50595	45.322	ug/L	100
38) Bromodichloromethane	7.099	83	63643	45.810	ug/L	96
39) cis-1,3-Dichloropropene	7.601	75	85899	46.834	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	112128	97.720	ug/L	99
42) Toluene	7.964	91	198839	46.223	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	77589	46.279	ug/L	97
45) 1,1,2-Trichloroethane	8.395	97	46492	45.737	ug/L	99
46) Tetrachloroethene	8.549	164	30913	45.542	ug/L	96
48) 2-Hexanone	8.678	43	91726	95.463	ug/L	99
49) Dibromochloromethane	8.803	129	45222	43.490	ug/L	99
50) 1,2-Dibromoethane	8.919	107	50709	46.817	ug/L	98
51) Chlorobenzene	9.443	112	125028	46.634	ug/L	99
52) Ethylbenzene	9.565	91	226103	46.349	ug/L	98
53) m,p-Xylene	9.691	106	82754	45.450	ug/L	99
54) o-Xylene	10.096	106	82980	46.079	ug/L	100
55) Styrene	10.109	104	140201	46.713	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	80421	48.255	ug/L	97
59) Bromoform	10.286	173	30512	47.121	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	62202	55.014	ug/L	97
61) Isopropylbenzene	10.478	105	221767	49.328	ug/L	99
62) 1,3,5-Trimethylbenzene	11.083	105	181368	48.737	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	175457	48.371	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	89336	47.381	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	90968	48.059	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	88923	47.186	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	16711	53.448	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	56314	47.109	ug/L	97
70) 1,2,4-trichlorobenzene	13.835	180	50802	47.297	ug/L	99
71) Naphthalene	14.083	128	183880	50.791	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	47665	46.795	ug/L	97

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

