

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
 Data File : VU053294.D
 Acq On : 18 Mar 2023 02:43
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050166

Quant Time: Mar 18 05:02:15 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	120739	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	115011	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	56136	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	51996	46.680	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.360%
7) Chloroethane-d5	1.909	69	42423	47.084	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.160%
11) 1,1-Dichloroethene-d2	2.565	63	87305	45.245	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.500%
21) 2-Butanone-d5	4.610	46	67144	129.967	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.970%
24) Chloroform-d	5.057	84	88378	48.172	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.340%
26) 1,2-Dichloroethane-d4	5.697	65	59894	52.567	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.140%
32) Benzene-d6	5.723	84	185728	49.787	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.580%
36) 1,2-Dichloropropane-d6	6.684	67	61657	51.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.420%
41) Toluene-d8	7.893	98	171069	49.255	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.500%
43) trans-1,3-Dichloroprop...	8.176	79	29242	49.227	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.460%
47) 2-Hexanone-d5	8.626	63	51482	136.772	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	136.770%#
56) 1,1,2,2-Tetrachloroeth...	10.751	84	89486	57.375	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.760%
66) 1,2-Dichlorobenzene-d4	12.189	152	57761	53.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	53815	42.701	ug/L	100
3) Chloromethane	1.520	50	49124	42.302	ug/L	98
5) Vinyl chloride	1.604	62	65495	51.557	ug/L	100
6) Bromomethane	1.855	94	31032	40.639	ug/L	94
8) Chloroethane	1.932	64	32368	43.136	ug/L	99
9) Trichlorofluoromethane	2.138	101	69925	44.117	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	39859	41.572	ug/L	96
12) 1,1-Dichloroethene	2.578	96	36357	41.002	ug/L	97
13) Acetone	2.617	43	39172	66.575	ug/L	95
14) Carbon disulfide	2.790	76	110867	41.281	ug/L	99
15) Methyl Acetate	2.941	43	43529	53.973	ug/L	98
16) Methylene chloride	3.041	84	44942	41.779	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	39639	44.059	ug/L	97
18) Methyl tert-butyl Ether	3.356	73	140496	46.441	ug/L	98
19) 1,1-Dichloroethane	3.861	63	80941	44.074	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	50338	47.636	ug/L	95
22) 2-Butanone	4.694	43	61275	91.409	ug/L	97
23) Bromochloromethane	4.970	128	22330	44.318	ug/L	96
25) Chloroform	5.083	83	83757	45.576	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	68641	47.316	ug/L	99
29) Cyclohexane	5.385	56	72471	42.289	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	68923	43.965	ug/L	99
31) Carbon tetrachloride	5.520	117	56378	43.897	ug/L	97
33) Benzene	5.768	78	178909	44.869	ug/L	100
34) Trichloroethene	6.536	95	47871	46.044	ug/L	95
35) Methylcyclohexane	6.758	83	75492	41.424	ug/L	99
37) 1,2-Dichloropropane	6.784	63	51159	45.988	ug/L	99
38) Bromodichloromethane	7.099	83	61776	44.622	ug/L	98
39) cis-1,3-Dichloropropene	7.600	75	78766	43.096	ug/L	99
40) 4-Methyl-2-pentanone	7.784	43	124265	108.678	ug/L	100
42) Toluene	7.964	91	193720	45.191	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	74598	44.651	ug/L	98
45) 1,1,2-Trichloroethane	8.395	97	46825	46.226	ug/L	99
46) Tetrachloroethene	8.549	164	28471	42.092	ug/L	94
48) 2-Hexanone	8.678	43	97657	101.992	ug/L	99
49) Dibromochloromethane	8.806	129	44397	42.846	ug/L	98
50) 1,2-Dibromoethane	8.919	107	50296	46.599	ug/L	96
51) Chlorobenzene	9.443	112	122711	45.930	ug/L	99
52) Ethylbenzene	9.565	91	216827	44.604	ug/L	99
53) m,p-Xylene	9.690	106	80953	44.617	ug/L	100
54) o-Xylene	10.095	106	79524	44.315	ug/L	99
55) Styrene	10.112	104	134000	44.804	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	82619	49.748	ug/L	97
59) Bromoform	10.285	173	29930	46.851	ug/L	99
60) 1,2,3-Trichloropropane	10.816	75	63694	57.100	ug/L	97
61) Isopropylbenzene	10.481	105	213995	48.247	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	170991	46.574	ug/L	99
63) 1,2,4-Trimethylbenzene	11.462	105	168666	47.131	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	86736	46.628	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	87604	46.912	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	87453	47.038	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	17954	58.206	ug/L	89
69) 1,3,5-Trichlorobenzene	13.214	180	52703	44.688	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	51988	49.060	ug/L	98
71) Naphthalene	14.082	128	209150	58.558	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	52734	52.476	ug/L	97

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

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