

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052830.D
 Acq On : 26 Jan 2023 20:46
 Operator : JC/MD
 Sample : 01316-03MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44G7MSD

Quant Time: Jan 27 04:37:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	273845	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	263093	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	151839	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	87245	44.264	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.520%		
7) Chloroethane-d5	1.909	69	74092	45.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.240%		
11) 1,1-Dichloroethene-d2	2.565	63	182042	46.436	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.880%		
21) 2-Butanone-d5	4.623	46	119721	98.326	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	98.330%		
24) Chloroform-d	5.057	84	199146	47.342	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.680%		
26) 1,2-Dichloroethane-d4	5.694	65	130634	48.637	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.280%		
32) Benzene-d6	5.723	84	380069	47.284	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.560%		
36) 1,2-Dichloropropane-d6	6.684	67	114604	48.614	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.220%		
41) Toluene-d8	7.893	98	352272	48.129	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.260%		
43) trans-1,3-Dichloroprop...	8.176	79	57102	48.328	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.660%		
47) 2-Hexanone-d5	8.632	63	90418	109.158	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.160%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	168387	48.345	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.700%		
66) 1,2-Dichlorobenzene-d4	12.189	152	145117	49.221	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	118460	46.197	ug/L	99
3) Chloromethane	1.520	50	96717	45.732	ug/L	99
5) Vinyl chloride	1.604	62	109702	46.888	ug/L	100
6) Bromomethane	1.855	94	71126	48.204	ug/L	99
8) Chloroethane	1.929	64	70185	47.760	ug/L	95
9) Trichlorofluoromethane	2.134	101	185765	47.403	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	102912	46.590	ug/L	98
12) 1,1-Dichloroethene	2.575	96	95458	47.121	ug/L	95
13) Acetone	2.633	43	87124	58.587	ug/L	99
14) Carbon disulfide	2.790	76	279307	45.650	ug/L	99
15) Methyl Acetate	2.945	43	93022	46.426	ug/L	97
16) Methylene chloride	3.041	84	109523	45.449	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	102388	46.769	ug/L	98
18) Methyl tert-butyl Ether	3.356	73	317252	49.283	ug/L	99
19) 1,1-Dichloroethane	3.864	63	182451	47.520	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	111876	47.863	ug/L	99
22) 2-Butanone	4.703	43	134184	84.419	ug/L	99
23) Bromochloromethane	4.970	128	62227	47.409	ug/L	98
25) Chloroform	5.083	83	208084	48.277	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	164575	48.231	ug/L	99
29) Cyclohexane	5.385	56	157571	50.542	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	184918	47.783	ug/L	98
31) Carbon tetrachloride	5.520	117	161002	47.993	ug/L	98
33) Benzene	5.768	78	433049	48.354	ug/L	100
34) Trichloroethene	6.536	95	106501	46.787	ug/L	96
35) Methylcyclohexane	6.758	83	180025	49.969	ug/L	99
37) 1,2-Dichloropropane	6.787	63	106142	48.207	ug/L	99
38) Bromodichloromethane	7.099	83	155999	48.281	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	172133	49.908	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	266882	102.884	ug/L	100
42) Toluene	7.964	91	457137	49.805	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	168720	49.777	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	108942	48.385	ug/L	99
46) Tetrachloroethene	8.549	164	92353	47.117	ug/L	99
48) 2-Hexanone	8.684	43	213280	97.189	ug/L	99
49) Dibromochloromethane	8.803	129	130088	48.313	ug/L	99
50) 1,2-Dibromoethane	8.919	107	119760	49.420	ug/L	98
51) Chlorobenzene	9.443	112	303998	48.141	ug/L	98
52) Ethylbenzene	9.565	91	494407	50.404	ug/L	99
53) m,p-Xylene	9.690	106	202312	50.948	ug/L	99
54) o-xylene	10.095	106	199302	52.575	ug/L	98
55) Styrene	10.108	104	337381	51.864	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	180241	49.464	ug/L	97
59) Bromoform	10.285	173	98362	47.273	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	142732	48.461	ug/L	99
61) Isopropylbenzene	10.481	105	502232	51.214	ug/L	100
62) 1,3,5-Trimethylbenzene	11.083	105	429105	52.552	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	422684	53.496	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	238476	48.200	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	243009	47.444	ug/L	100
67) 1,2-Dichlorobenzene	12.208	146	244905	48.938	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	39392	46.659	ug/L	99
69) 1,3,5-Trichlorobenzene	13.214	180	177066	48.341	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	146168	47.598	ug/L	99
71) Naphthalene	14.082	128	443303	50.233	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	155824	48.014	ug/L	99

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

