

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041323\
 Data File : VU053678.D
 Acq On : 13 Apr 2023 10:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050198

Quant Time: Apr 14 01:50:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 13 01:39:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	247045	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	231593	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	126386	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	89530	46.542	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.080%
7) Chloroethane-d5	1.909	69	72743	49.045	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.100%
11) 1,1-Dichloroethene-d2	2.565	63	138717	46.585	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.160%
21) 2-Butanone-d5	4.614	46	96833	111.182	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.180%
24) Chloroform-d	5.057	84	151377	47.582	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.160%
26) 1,2-Dichloroethane-d4	5.697	65	93588	49.784	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.560%
32) Benzene-d6	5.723	84	302402	48.374	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.740%
36) 1,2-Dichloropropane-d6	6.684	67	92664	48.496	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.000%
41) Toluene-d8	7.893	98	290597	46.770	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.540%
43) trans-1,3-Dichloroprop...	8.176	79	47173	47.828	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.660%
47) 2-Hexanone-d5	8.626	63	75892	116.379	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.380%
56) 1,1,2,2-Tetrachloroeth...	10.752	84	139367	51.750	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.500%
66) 1,2-Dichlorobenzene-d4	12.189	152	114777	43.507	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	91063	45.415	ug/L	98
3) Chloromethane	1.520	50	88538	53.737	ug/L	98
5) Vinyl chloride	1.601	62	104565	54.761	ug/L	98
6) Bromomethane	1.848	94	67700	48.727	ug/L	98
8) Chloroethane	1.929	64	64291	55.981	ug/L	99
9) Trichlorofluoromethane	2.135	101	150078	51.100	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83846	49.294	ug/L	92
12) 1,1-Dichloroethene	2.575	96	71664	47.275	ug/L	93
13) Acetone	2.617	43	85663	109.443	ug/L	96
14) Carbon disulfide	2.790	76	185296	46.209	ug/L	98
15) Methyl Acetate	2.942	43	67480	56.286	ug/L	94
16) Methylene chloride	3.041	84	82492	48.415	ug/L	100
17) trans-1,2-Dichloroethene	3.347	96	72033	47.282	ug/L	94
18) Methyl tert-butyl Ether	3.356	73	225459	50.773	ug/L	99
19) 1,1-Dichloroethane	3.864	63	133732	52.992	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	84288	47.900	ug/L	87
22) 2-Butanone	4.691	43	107804	113.687	ug/L	96
23) Bromochloromethane	4.967	128	44872	45.780	ug/L	90
25) Chloroform	5.083	83	150462	51.982	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.787	62	111263	52.488	ug/L	98
29) Cyclohexane	5.382	56	114897	51.534	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	126192	49.451	ug/L	97
31) Carbon tetrachloride	5.520	117	109266	47.791	ug/L	98
33) Benzene	5.768	78	314869	52.182	ug/L	100
34) Trichloroethene	6.536	95	87472	47.930	ug/L	94
35) Methylcyclohexane	6.758	83	138722	51.712	ug/L	97
37) 1,2-Dichloropropane	6.787	63	84247	54.987	ug/L	98
38) Bromodichloromethane	7.099	83	105894	51.809	ug/L	98
39) cis-1,3-Dichloropropene	7.601	75	128501	51.324	ug/L	98
40) 4-Methyl-2-pentanone	7.784	43	193409	116.164	ug/L	99
42) Toluene	7.964	91	342146	50.036	ug/L	97
44) trans-1,3-Dichloropropene	8.205	75	126471	53.433	ug/L	99
45) 1,1,2-Trichloroethane	8.395	97	84741	50.376	ug/L	96
46) Tetrachloroethene	8.549	164	65360	43.158	ug/L	94
48) 2-Hexanone	8.678	43	155319	115.323	ug/L	97
49) Dibromochloromethane	8.806	129	81794	46.763	ug/L	99
50) 1,2-Dibromoethane	8.919	107	92088	48.931	ug/L	100
51) Chlorobenzene	9.443	112	227277	48.240	ug/L	96
52) Ethylbenzene	9.565	91	377467	49.588	ug/L	98
53) m,p-Xylene	9.690	106	148254	49.799	ug/L	98
54) o-Xylene	10.096	106	145810	49.538	ug/L	95
55) Styrene	10.112	104	242363	50.553	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	139096	56.319	ug/L	93
59) Bromoform	10.285	173	59695	46.145	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	106693	58.221	ug/L	98
61) Isopropylbenzene	10.481	105	386556	51.732	ug/L	98
62) 1,3,5-Trimethylbenzene	11.086	105	318350	51.251	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	318694	51.801	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	184329	47.210	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	186330	46.824	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	179541	46.138	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.993	75	27960	57.232	ug/L	86
69) 1,3,5-Trichlorobenzene	13.214	180	128017	44.276	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	112291	41.889	ug/L	97
71) Naphthalene	14.083	128	377149	47.004	ug/L	100
72) 1,2,3-Trichlorobenzene	14.324	180	116423	43.482	ug/L	98

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

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