

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U040523\
 Data File : U053583.D
 Acq On : 05 Apr 2023 16:43
 Operator : JC/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050186

Quant Time: Apr 06 03:37:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	272030	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	256699	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	141399	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	113275	53.477	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 106.960%		
7) Chloroethane-d5	1.909	69	89361	54.716	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 109.440%		
11) 1,1-Dichloroethene-d2	2.565	63	170307	51.940	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 103.880%		
21) 2-Butanone-d5	4.613	46	102987	107.387	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 107.390%		
24) Chloroform-d	5.060	84	176898	50.497	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 101.000%		
26) 1,2-Dichloroethane-d4	5.697	65	108713	52.518	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 105.040%		
32) Benzene-d6	5.723	84	356353	51.429	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 102.860%		
36) 1,2-Dichloropropane-d6	6.687	67	109247	51.583	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 103.160%		
41) Toluene-d8	7.896	98	346518	50.316	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 100.640%		
43) trans-1,3-Dichloroprop...	8.176	79	55421	50.695	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 101.380%		
47) 2-Hexanone-d5	8.629	63	80723	111.680	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 111.680%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	153272	51.347	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 102.700%		
66) 1,2-Dichlorobenzene-d4	12.189	152	139693	47.329	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 94.660%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.382	85	109997	49.820	ug/L	100
3) Chloromethane	1.520	50	101487	55.938	ug/L	98
5) Vinyl chloride	1.604	62	118056	56.148	ug/L	98
6) Bromomethane	1.851	94	75951	49.645	ug/L	99
8) Chloroethane	1.932	64	71889	56.847	ug/L	96
9) Trichlorofluoromethane	2.138	101	174989	54.109	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	95305	50.885	ug/L	94
12) 1,1-Dichloroethene	2.578	96	84251	50.474	ug/L	97
13) Acetone	2.617	43	86135	99.939	ug/L	99
14) Carbon disulfide	2.790	76	226359	51.265	ug/L	96
15) Methyl Acetate	2.941	43	71234	53.960	ug/L	96
16) Methylene chloride	3.041	84	92252	49.171	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	86256	51.418	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	259987	53.171	ug/L	99
19) 1,1-Dichloroethane	3.864	63	154774	55.697	ug/L	99
20) cis-1,2-Dichloroethene	4.662	96	98416	50.792	ug/L	91
22) 2-Butanone	4.694	43	108221	103.644	ug/L	98
23) Bromochloromethane	4.970	128	52116	48.287	ug/L	96
25) Chloroform	5.083	83	167126	52.436	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	125702	53.853	ug/L	99
29) Cyclohexane	5.385	56	134343	54.363	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	144866	51.216	ug/L	97
31) Carbon tetrachloride	5.520	117	128206	50.590	ug/L	99
33) Benzene	5.771	78	357584	53.465	ug/L	100
34) Trichloroethene	6.539	95	102268	50.557	ug/L	97
35) Methylcyclohexane	6.761	83	160553	53.996	ug/L	99
37) 1,2-Dichloropropane	6.787	63	92463	54.447	ug/L	99
38) Bromodichloromethane	7.102	83	120296	53.099	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	155383	55.991	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	202155	109.542	ug/L	98
42) Toluene	7.967	91	398692	52.603	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	144106	54.930	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	96257	51.626	ug/L	98
46) Tetrachloroethene	8.552	164	77462	46.146	ug/L	95
48) 2-Hexanone	8.677	43	158313	106.050	ug/L	99
49) Dibromochloromethane	8.806	129	95335	49.174	ug/L	99
50) 1,2-Dibromoethane	8.922	107	105286	50.472	ug/L	98
51) Chlorobenzene	9.443	112	260887	49.958	ug/L	95
52) Ethylbenzene	9.568	91	438089	51.923	ug/L	100
53) m,p-Xylene	9.690	106	170211	51.582	ug/L	97
54) o-xylene	10.099	106	168716	51.714	ug/L	99
55) Styrene	10.111	104	282189	53.103	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	143442	52.398	ug/L	97
59) Bromoform	10.288	173	67497	46.636	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	114966	56.074	ug/L	97
61) Isopropylbenzene	10.481	105	444764	53.202	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	373124	53.691	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	371641	53.994	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	209997	48.073	ug/L	97
65) 1,4-Dichlorobenzene	11.835	146	216638	48.660	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	209337	48.083	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	30026	54.936	ug/L	89
69) 1,3,5-Trichlorobenzene	13.217	180	145886	45.099	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	138892	46.311	ug/L	99
71) Naphthalene	14.082	128	424182	47.253	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	132731	44.309	ug/L	99

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

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