

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071524\
 Data File : U059936.D
 Acq On : 15 Jul 2024 08:48
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050082

Quant Time: Jul 15 11:34:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 02:03:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	292384	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	287117	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	154620	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	81036	43.166	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.340%		
7) Chloroethane-d5	1.908	69	70698	44.772	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.540%		
11) 1,1-Dichloroethene-d2	2.563	63	150656	45.172	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.340%		
21) 2-Butanone-d5	4.612	46	136563	104.674	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.670%		
24) Chloroform-d	5.055	84	173869	47.826	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.660%		
26) 1,2-Dichloroethane-d4	5.695	65	104779	48.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.940%		
32) Benzene-d6	5.721	84	341821	46.492	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.980%		
36) 1,2-Dichloropropane-d6	6.682	67	107244	47.130	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.260%		
41) Toluene-d8	7.894	98	318732	45.587	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.180%		
43) trans-1,3-Dichloroprop...	8.174	79	49672	46.650	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.300%		
47) 2-Hexanone-d5	8.628	63	95584	99.672	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.670%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	172392	49.359	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.720%		
66) 1,2-Dichlorobenzene-d4	12.187	152	123904	43.608	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.220%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	89277	49.165	ug/L	99
3) Chloromethane	1.519	50	92287	51.791	ug/L	99
5) Vinyl chloride	1.602	62	103997	49.717	ug/L	98
6) Bromomethane	1.850	94	54975	50.034	ug/L	98
8) Chloroethane	1.927	64	67612	49.648	ug/L	98
9) Trichlorofluoromethane	2.133	101	143594	49.308	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	95953	51.762	ug/L	98
12) 1,1-Dichloroethene	2.573	96	85460	49.295	ug/L	90
13) Acetone	2.615	43	177124	131.843	ug/L	100
14) Carbon disulfide	2.789	76	208625	47.679	ug/L	99
15) Methyl Acetate	2.943	43	103956	51.324	ug/L	96
16) Methylene chloride	3.036	84	103814	47.488	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	88091	49.357	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	287503	49.597	ug/L	99
19) 1,1-Dichloroethane	3.859	63	174534	51.560	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	106235	49.156	ug/L	99
22) 2-Butanone	4.692	43	193569	117.110	ug/L	99
23) Bromochloromethane	4.969	128	56575	49.630	ug/L	97
25) Chloroform	5.078	83	186251	51.131	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	139419	50.417	ug/L	99
29) Cyclohexane	5.380	56	125805	48.934	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	150901	50.733	ug/L	98
31) Carbon tetrachloride	5.518	117	125258	50.980	ug/L	100
33) Benzene	5.766	78	392364	50.606	ug/L	100
34) Trichloroethene	6.538	95	104484	50.499	ug/L	97
35) Methylcyclohexane	6.756	83	141241	49.429	ug/L	98
37) 1,2-Dichloropropane	6.785	63	109725	51.415	ug/L	99
38) Bromodichloromethane	7.100	83	142045	52.531	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	165620	50.724	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	291085	107.918	ug/L	99
42) Toluene	7.965	91	434838	51.374	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	152788	50.943	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	113128	50.617	ug/L	100
46) Tetrachloroethene	8.550	164	82873	48.689	ug/L	99
48) 2-Hexanone	8.676	43	254093	112.559	ug/L	99
49) Dibromochloromethane	8.804	129	114855	52.156	ug/L	100
50) 1,2-Dibromoethane	8.917	107	118539	50.727	ug/L	99
51) Chlorobenzene	9.441	112	280138	49.854	ug/L	99
52) Ethylbenzene	9.566	91	452006	50.007	ug/L	99
53) m,p-Xylene	9.689	106	176076	50.030	ug/L	99
54) o-Xylene	10.097	106	171153	50.573	ug/L	99
55) Styrene	10.110	104	301278	52.767	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	190803	50.623	ug/L	99
59) Bromoform	10.287	173	96987	51.877	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	146339	49.869	ug/L	98
61) Isopropylbenzene	10.480	105	449811	49.906	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	323405	49.015	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	355785	50.341	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	227482	48.666	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	226870	46.950	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	230208	48.752	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	42062	52.413	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	159768	47.407	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	135923	44.748	ug/L	100
71) Naphthalene	14.084	128	391813	44.636	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	141732	46.506	ug/L	98

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

