

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060724\
 Data File : VU059194.D
 Acq On : 07 Jun 2024 18:01
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050179

Quant Time: Jun 08 03:19:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 01:56:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	298858	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	295729	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	158242	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	91460	51.112	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 102.220%	
7) Chloroethane-d5	1.907	69	79372	51.782	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	= 103.560%	
11) 1,1-Dichloroethene-d2	2.563	63	177508	50.257	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	= 100.520%	
21) 2-Butanone-d5	4.611	46	139335	82.612	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 82.610%	
24) Chloroform-d	5.055	84	171618	48.178	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 96.360%	
26) 1,2-Dichloroethane-d4	5.692	65	102857	47.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 94.220%	
32) Benzene-d6	5.721	84	344768	50.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 101.600%	
36) 1,2-Dichloropropane-d6	6.682	67	107987	46.143	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 92.280%	
41) Toluene-d8	7.891	98	314311	54.550	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 109.100%	
43) trans-1,3-Dichloroprop...	8.174	79	48009	50.750	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 101.500%	
47) 2-Hexanone-d5	8.624	63	99088	91.560	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 91.560%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	164378	41.502	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 83.000%	
66) 1,2-Dichlorobenzene-d4	12.187	152	117336	49.687	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 99.380%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	136949	45.226	ug/L	100
3) Chloromethane	1.518	50	144102	41.176	ug/L	98
5) Vinyl chloride	1.602	62	162477	47.248	ug/L	99
6) Bromomethane	1.849	94	104392	37.944	ug/L	99
8) Chloroethane	1.927	64	98589	45.974	ug/L	97
9) Trichlorofluoromethane	2.132	101	196752	49.167	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	115641	49.669	ug/L	93
12) 1,1-Dichloroethene	2.573	96	112490	53.269	ug/L	92
13) Acetone	2.615	43	130298	65.725	ug/L	100
14) Carbon disulfide	2.785	76	335702	47.202	ug/L	100
15) Methyl Acetate	2.936	43	146928	46.788	ug/L	98
16) Methylene chloride	3.036	84	135167	47.306	ug/L	92
17) trans-1,2-Dichloroethene	3.345	96	118150	51.837	ug/L	93
18) Methyl tert-butyl Ether	3.354	73	385533	52.073	ug/L	96
19) 1,1-Dichloroethane	3.859	63	233268	47.747	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	135627	52.219	ug/L	92
22) 2-Butanone	4.689	43	210793	87.826	ug/L	96
23) Bromochloromethane	4.965	128	71380	54.256	ug/L	87
25) Chloroform	5.078	83	239834	50.699	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	189002	47.295	ug/L	98
29) Cyclohexane	5.380	56	181188	45.892	ug/L	93
30) 1,1,1-Trichloroethane	5.306	97	195023	50.720	ug/L	97
31) Carbon tetrachloride	5.518	117	161007	51.552	ug/L	99
33) Benzene	5.766	78	524974	49.161	ug/L	100
34) Trichloroethene	6.534	95	137405	52.550	ug/L	95
35) Methylcyclohexane	6.756	83	192754	50.138	ug/L	94
37) 1,2-Dichloropropane	6.782	63	143138	47.205	ug/L	99
38) Bromodichloromethane	7.097	83	175446	49.672	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	215262	51.308	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	408017	102.638	ug/L	97
42) Toluene	7.962	91	569701	53.149	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	197643	52.036	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	140729	51.618	ug/L	99
46) Tetrachloroethene	8.547	164	100867	57.915	ug/L	91
48) 2-Hexanone	8.676	43	315605	94.133	ug/L	95
49) Dibromochloromethane	8.804	129	135439	54.970	ug/L	99
50) 1,2-Dibromoethane	8.917	107	150811	53.625	ug/L	98
51) Chlorobenzene	9.441	112	350472	54.174	ug/L	96
52) Ethylbenzene	9.563	91	601607	54.441	ug/L	98
53) m,p-Xylene	9.688	106	227992	56.137	ug/L	98
54) o-Xylene	10.094	106	220161	55.935	ug/L	96
55) Styrene	10.110	104	391276	58.483	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	245824	49.497	ug/L	97
59) Bromoform	10.283	173	108943	52.508	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	193626	44.001	ug/L	99
61) Isopropylbenzene	10.479	105	589920	52.989	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	435234	53.958	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	483249	55.266	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	274601	52.775	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	280288	52.160	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	273692	50.327	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	56924	51.026	ug/L	86
69) 1,3,5-Trichlorobenzene	13.212	180	195974	57.030	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	182640	66.546	ug/L	100
71) Naphthalene	14.081	128	635195	73.117	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	185397	66.443	ug/L	100

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

