

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060624\
 Data File : VU059161.D
 Acq On : 06 Jun 2024 11:51
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050176

Quant Time: Jun 07 04:57:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 05 05:30:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	206948	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	200721	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	103781	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	52422	42.307	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.620%		
7) Chloroethane-d5	1.908	69	48388	45.588	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.180%		
11) 1,1-Dichloroethene-d2	2.563	63	114411	46.779	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.560%		
21) 2-Butanone-d5	4.612	46	106071	90.821	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.820%		
24) Chloroform-d	5.055	84	123501	50.068	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.140%		
26) 1,2-Dichloroethane-d4	5.695	65	71261	47.135	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.260%		
32) Benzene-d6	5.721	84	223663	48.550	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.100%		
36) 1,2-Dichloropropane-d6	6.685	67	76216	47.982	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.960%		
41) Toluene-d8	7.894	98	195145	49.899	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.800%		
43) trans-1,3-Dichloroprop...	8.174	79	32091	49.980	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.960%		
47) 2-Hexanone-d5	8.624	63	71240	96.986	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.990%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	131303	48.842	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.680%		
66) 1,2-Dichlorobenzene-d4	12.187	152	74698	48.231	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.460%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	111334	53.096	ug/L	99
3) Chloromethane	1.518	50	120395	49.680	ug/L	98
5) Vinyl chloride	1.602	62	129532	54.396	ug/L	100
6) Bromomethane	1.853	94	75201	39.474	ug/L	99
8) Chloroethane	1.930	64	76941	51.814	ug/L	95
9) Trichlorofluoromethane	2.136	101	149567	53.975	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	92320	57.262	ug/L	97
12) 1,1-Dichloroethene	2.573	96	81961	56.050	ug/L	94
13) Acetone	2.615	43	165924	120.867	ug/L	100
14) Carbon disulfide	2.789	76	267985	54.416	ug/L	100
15) Methyl Acetate	2.940	43	105357	48.451	ug/L	99
16) Methylene chloride	3.036	84	110666	55.932	ug/L	93
17) trans-1,2-Dichloroethene	3.348	96	89025	56.406	ug/L	96
18) Methyl tert-butyl Ether	3.351	73	268818	52.434	ug/L	98
19) 1,1-Dichloroethane	3.859	63	177588	52.494	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	97979	54.478	ug/L	96
22) 2-Butanone	4.689	43	176493	106.193	ug/L	97
23) Bromochloromethane	4.968	128	49908	54.783	ug/L	92
25) Chloroform	5.078	83	176033	53.738	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	143207	51.750	ug/L	99
29) Cyclohexane	5.383	56	145715	54.377	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	143923	55.148	ug/L	99
31) Carbon tetrachloride	5.515	117	121503	57.317	ug/L	100
33) Benzene	5.766	78	395704	54.596	ug/L	100
34) Trichloroethene	6.534	95	102026	57.489	ug/L	98
35) Methylcyclohexane	6.756	83	153246	58.729	ug/L	98
37) 1,2-Dichloropropane	6.785	63	111696	54.271	ug/L	99
38) Bromodichloromethane	7.097	83	133863	55.838	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	154514	54.261	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	278558	103.239	ug/L	99
42) Toluene	7.965	91	422464	58.068	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	141717	54.972	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	102031	55.138	ug/L	99
46) Tetrachloroethene	8.550	164	71153	60.191	ug/L	90
48) 2-Hexanone	8.676	43	236221	103.805	ug/L	98
49) Dibromochloromethane	8.804	129	97299	58.182	ug/L	96
50) 1,2-Dibromoethane	8.917	107	106135	55.603	ug/L	95
51) Chlorobenzene	9.441	112	248321	56.552	ug/L	98
52) Ethylbenzene	9.566	91	437280	58.301	ug/L	100
53) m,p-Xylene	9.689	106	164733	59.760	ug/L	100
54) o-Xylene	10.097	106	159604	59.743	ug/L	96
55) Styrene	10.110	104	282725	62.260	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.775	83	171385	50.842	ug/L	99
59) Bromoform	10.283	173	78652	57.801	ug/L	98
60) 1,2,3-Trichloropropane	10.814	75	139439	48.315	ug/L	99
61) Isopropylbenzene	10.480	105	422842	57.913	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	303937	57.454	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	333521	58.159	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	190508	55.827	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	196834	55.851	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	190829	53.504	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	36110	49.354	ug/L	91
69) 1,3,5-Trichlorobenzene	13.216	180	127218	56.449	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	104243	57.913	ug/L	98
71) Naphthalene	14.084	128	284210	49.883	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	107726	58.867	ug/L	99

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

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