

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012623\
 Data File : VU052810.D
 Acq On : 26 Jan 2023 10:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050141

Quant Time: Jan 27 04:27:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 04:23:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	233268	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	227546	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	134080	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	81871	48.763	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.520%		
7) Chloroethane-d5	1.912	69	68172	49.278	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.560%		
11) 1,1-Dichloroethene-d2	2.568	63	161056	48.229	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.460%		
21) 2-Butanone-d5	4.629	46	98316	94.792	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.790%		
24) Chloroform-d	5.060	84	175448	48.964	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.920%		
26) 1,2-Dichloroethane-d4	5.697	65	110539	48.314	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.620%		
32) Benzene-d6	5.723	84	333877	48.027	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.060%		
36) 1,2-Dichloropropane-d6	6.687	67	97100	47.624	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.240%		
41) Toluene-d8	7.896	98	315469	49.834	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.660%		
43) trans-1,3-Dichloroprop...	8.176	79	48983	47.933	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.860%		
47) 2-Hexanone-d5	8.632	63	69011	96.330	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.330%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	142262	47.225	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.460%		
66) 1,2-Dichlorobenzene-d4	12.189	152	123738	47.528	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	107605	49.263	ug/L	98
3) Chloromethane	1.520	50	86547	48.041	ug/L	100
5) Vinyl chloride	1.604	62	95609	47.973	ug/L	97
6) Bromomethane	1.858	94	59899	47.656	ug/L	98
8) Chloroethane	1.935	64	61245	48.926	ug/L	95
9) Trichlorofluoromethane	2.138	101	159573	47.803	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	90667	48.187	ug/L	99
12) 1,1-Dichloroethene	2.581	96	81814	47.411	ug/L	96
13) Acetone	2.642	43	164837	130.127	ug/L	98
14) Carbon disulfide	2.793	76	247039	47.399	ug/L	100
15) Methyl Acetate	2.948	43	81974	48.029	ug/L	97
16) Methylene chloride	3.044	84	95071	46.314	ug/L	98
17) trans-1,2-Dichloroethene	3.350	96	87180	46.749	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	256998	46.868	ug/L	99
19) 1,1-Dichloroethane	3.864	63	155241	47.466	ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	93934	47.178	ug/L	100
22) 2-Butanone	4.707	43	162001	119.648	ug/L	100
23) Bromochloromethane	4.970	128	53104	47.496	ug/L	98
25) Chloroform	5.083	83	172269	46.920	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	138455	47.635	ug/L	100
29) Cyclohexane	5.388	56	130781	48.502	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	157443	47.039	ug/L	99
31) Carbon tetrachloride	5.523	117	140421	48.397	ug/L	99
33) Benzene	5.771	78	371761	47.996	ug/L	100
34) Trichloroethene	6.539	95	90893	46.168	ug/L	95
35) Methylcyclohexane	6.761	83	152204	48.846	ug/L	97
37) 1,2-Dichloropropane	6.787	63	92459	48.553	ug/L	99
38) Bromodichloromethane	7.102	83	131746	47.145	ug/L	98
39) cis-1,3-Dichloropropene	7.604	75	143492	48.103	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	221479	98.719	ug/L	100
42) Toluene	7.967	91	396106	49.898	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	140585	47.956	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	93230	47.875	ug/L	99
46) Tetrachloroethene	8.549	164	80221	47.321	ug/L	98
48) 2-Hexanone	8.681	43	212135	111.769	ug/L	98
49) Dibromochloromethane	8.806	129	111170	47.737	ug/L	99
50) 1,2-Dibromoethane	8.922	107	102477	48.894	ug/L	100
51) Chlorobenzene	9.443	112	258509	47.332	ug/L	99
52) Ethylbenzene	9.568	91	419418	49.439	ug/L	99
53) m,p-Xylene	9.690	106	172597	50.255	ug/L	100
54) o-xylene	10.099	106	163855	49.976	ug/L	98
55) Styrene	10.111	104	289898	51.527	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	150536	47.766	ug/L	100
59) Bromoform	10.288	173	85407	46.484	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	119305	45.872	ug/L	100
61) Isopropylbenzene	10.481	105	425646	49.153	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	360482	49.995	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	356591	51.109	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	206593	47.286	ug/L	100
65) 1,4-Dichlorobenzene	11.832	146	209794	46.384	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	209925	47.504	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.992	75	33092	44.389	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	151766	46.922	ug/L	100
70) 1,2,4-trichlorobenzene	13.838	180	123935	45.703	ug/L	98
71) Naphthalene	14.082	128	361463	46.384	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	135212	47.181	ug/L	98

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

