

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021524\
 Data File : VU057863.D
 Acq On : 15 Feb 2024 09:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050142

Quant Time: Feb 15 21:23:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 09 04:07:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	251075	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	240628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	123746	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	99236	49.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.760%		
7) Chloroethane-d5	1.895	69	75505	48.431	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.860%		
11) 1,1-Dichloroethene-d2	2.560	63	180610	48.934	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.860%		
21) 2-Butanone-d5	4.608	46	102211	91.645	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.650%		
24) Chloroform-d	5.052	84	172957	48.517	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.040%		
26) 1,2-Dichloroethane-d4	5.692	65	112091	49.600	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.200%		
32) Benzene-d6	5.718	84	342143	47.066	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.140%		
36) 1,2-Dichloropropane-d6	6.682	67	111139	48.413	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.820%		
41) Toluene-d8	7.891	98	308374	46.792	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.580%		
43) trans-1,3-Dichloroprop...	8.174	79	53917	48.012	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.020%		
47) 2-Hexanone-d5	8.628	63	82403	87.941	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	87.940%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	148908	49.830	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.660%		
66) 1,2-Dichlorobenzene-d4	12.187	152	112571	47.350	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.700%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	115506	52.035	ug/L	100
3) Chloromethane	1.519	50	119054	57.348	ug/L	99
5) Vinyl chloride	1.602	62	120420	54.902	ug/L	99
6) Bromomethane	1.830	94	59161	43.846	ug/L	99
8) Chloroethane	1.917	64	71697	54.757	ug/L	98
9) Trichlorofluoromethane	2.129	101	153327	49.995	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	93672	51.748	ug/L	99
12) 1,1-Dichloroethene	2.573	96	81747	49.448	ug/L	95
13) Acetone	2.612	43	147276	102.790	ug/L	99
14) Carbon disulfide	2.785	76	263177	51.551	ug/L	100
15) Methyl Acetate	2.936	43	93664	51.385	ug/L	96
16) Methylene chloride	3.036	84	96807	50.683	ug/L	92
17) trans-1,2-Dichloroethene	3.345	96	84503	50.161	ug/L	94
18) Methyl tert-butyl Ether	3.351	73	307230	51.952	ug/L	100
19) 1,1-Dichloroethane	3.856	63	183372	54.239	ug/L	99
20) cis-1,2-Dichloroethene	4.657	96	100192	51.525	ug/L	99
22) 2-Butanone	4.689	43	161074	105.492	ug/L	97
23) Bromochloromethane	4.965	128	47597	49.928	ug/L	94
25) Chloroform	5.078	83	178187	51.465	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	149104	52.005	ug/L	98
29) Cyclohexane	5.380	56	167969	53.645	ug/L	94
30) 1,1,1-Trichloroethane	5.306	97	154909	49.911	ug/L	99
31) Carbon tetrachloride	5.515	117	132589	49.065	ug/L	100
33) Benzene	5.766	78	390573	51.274	ug/L	100
34) Trichloroethene	6.534	95	101272	49.443	ug/L	97
35) Methylcyclohexane	6.756	83	168204	51.331	ug/L	95
37) 1,2-Dichloropropane	6.782	63	110495	52.909	ug/L	99
38) Bromodichloromethane	7.097	83	134115	51.005	ug/L	99
39) cis-1,3-Dichloropropene	7.599	75	175678	51.898	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	270100	103.899	ug/L	98
42) Toluene	7.962	91	405630	50.844	ug/L	97
44) trans-1,3-Dichloropropene	8.203	75	160913	51.779	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	96901	50.250	ug/L	99
46) Tetrachloroethene	8.547	164	69845	49.163	ug/L	98
48) 2-Hexanone	8.679	43	234544	103.712	ug/L	99
49) Dibromochloromethane	8.804	129	98774	50.786	ug/L	98
50) 1,2-Dibromoethane	8.917	107	100450	48.754	ug/L	95
51) Chlorobenzene	9.441	112	254659	50.261	ug/L	96
52) Ethylbenzene	9.563	91	458518	50.666	ug/L	100
53) m,p-Xylene	9.689	106	171798	51.654	ug/L	95
54) o-Xylene	10.094	106	168336	51.979	ug/L	98
55) Styrene	10.110	104	290039	53.649	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	164688	52.993	ug/L	100
59) Bromoform	10.283	173	70281	48.892	ug/L	97
60) 1,2,3-Trichloropropane	10.817	75	128625	49.655	ug/L	99
61) Isopropylbenzene	10.480	105	458258	50.692	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	395542	52.140	ug/L	100
63) 1,2,4-Trimethylbenzene	11.460	105	403992	53.207	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	203906	52.058	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	204801	50.976	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	197218	49.946	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	30776	46.842	ug/L	97
69) 1,3,5-Trichlorobenzene	13.213	180	137472	49.831	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	109980	46.669	ug/L	99
71) Naphthalene	14.081	128	258028	40.844	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	96286	43.666	ug/L	99

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

