

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053124\
 Data File : VU059103.D
 Acq On : 31 May 2024 09:05
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050170

Quant Time: Jun 01 01:11:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	212303	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	211680	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	108141	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55578	43.723	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.440%
7) Chloroethane-d5	1.907	69	49222	45.204	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	2.566	63	119569	47.655	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.300%
21) 2-Butanone-d5	4.611	46	110336	92.090	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.090%
24) Chloroform-d	5.055	84	124071	49.030	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.060%
26) 1,2-Dichloroethane-d4	5.695	65	72081	46.474	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.940%
32) Benzene-d6	5.721	84	226485	46.617	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.240%
36) 1,2-Dichloropropane-d6	6.682	67	77149	46.055	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.100%
41) Toluene-d8	7.891	98	199584	48.392	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.780%
43) trans-1,3-Dichloroprop...	8.174	79	33356	49.261	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.520%
47) 2-Hexanone-d5	8.624	63	65722	84.842	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.840%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	124459	43.900	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	73984	45.844	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	116514	54.165	ug/L	99
3) Chloromethane	1.518	50	130540	52.508	ug/L	100
5) Vinyl chloride	1.602	62	133708	54.734	ug/L	100
6) Bromomethane	1.853	94	79037	40.441	ug/L	96
8) Chloroethane	1.930	64	79785	52.374	ug/L	100
9) Trichlorofluoromethane	2.136	101	154305	54.281	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	95168	57.540	ug/L	99
12) 1,1-Dichloroethene	2.576	96	84197	56.127	ug/L	89
13) Acetone	2.615	43	146825	104.256	ug/L	100
14) Carbon disulfide	2.788	76	282645	55.945	ug/L	100
15) Methyl Acetate	2.939	43	109209	48.956	ug/L	99
16) Methylene chloride	3.039	84	104209	51.340	ug/L	97
17) trans-1,2-Dichloroethene	3.348	96	89893	55.519	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	276210	52.517	ug/L	99
19) 1,1-Dichloroethane	3.859	63	183270	52.807	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	100710	54.584	ug/L	96
22) 2-Butanone	4.689	43	175717	103.059	ug/L	98
23) Bromochloromethane	4.965	128	50630	54.174	ug/L	96
25) Chloroform	5.078	83	182611	54.340	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	147839	52.077	ug/L	99
29) Cyclohexane	5.383	56	155789	55.126	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	149464	54.306	ug/L	98
31) Carbon tetrachloride	5.518	117	123029	55.033	ug/L	99
33) Benzene	5.766	78	412761	54.001	ug/L	100
34) Trichloroethene	6.537	95	106552	56.931	ug/L	99
35) Methylcyclohexane	6.756	83	161601	58.724	ug/L	98
37) 1,2-Dichloropropane	6.785	63	115035	53.000	ug/L	99
38) Bromodichloromethane	7.100	83	136254	53.893	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	158751	52.863	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	286099	100.545	ug/L	99
42) Toluene	7.965	91	429540	55.984	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	152087	55.941	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	104493	53.545	ug/L	98
46) Tetrachloroethene	8.547	164	72918	58.491	ug/L	93
48) 2-Hexanone	8.676	43	240586	100.250	ug/L	98
49) Dibromochloromethane	8.804	129	98527	55.866	ug/L	100
50) 1,2-Dibromoethane	8.917	107	108885	54.090	ug/L	96
51) Chlorobenzene	9.441	112	258451	55.812	ug/L	99
52) Ethylbenzene	9.563	91	455348	57.567	ug/L	99
53) m,p-Xylene	9.688	106	171971	59.156	ug/L	100
54) o-Xylene	10.094	106	161889	57.461	ug/L	99
55) Styrene	10.110	104	286968	59.923	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	176935	49.771	ug/L	98
59) Bromoform	10.283	173	73841	52.078	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	141930	47.196	ug/L	98
61) Isopropylbenzene	10.479	105	434739	57.142	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	311802	56.565	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	346380	57.966	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	198385	55.792	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	201614	54.901	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	193785	52.142	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	37681	49.425	ug/L	94
69) 1,3,5-Trichlorobenzene	13.212	180	132058	56.234	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	113948	60.752	ug/L	98
71) Naphthalene	14.080	128	320531	53.990	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	115642	60.645	ug/L	99

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

