

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060424\
 Data File : VU059131.D
 Acq On : 04 Jun 2024 10:18
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050174

Quant Time: Jun 05 05:26:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 01 01:17:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	208510	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	209733	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	104586	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	49669	39.785	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.560%
7) Chloroethane-d5	1.908	69	45728	42.759	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.520%
11) 1,1-Dichloroethene-d2	2.567	63	112453	45.634	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.260%
21) 2-Butanone-d5	4.612	46	104297	88.633	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.630%
24) Chloroform-d	5.055	84	120342	48.422	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.840%
26) 1,2-Dichloroethane-d4	5.695	65	71554	46.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.940%
32) Benzene-d6	5.721	84	214904	44.644	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.280%
36) 1,2-Dichloropropane-d6	6.682	67	76514	46.100	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.200%
41) Toluene-d8	7.891	98	190572	46.636	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.280%
43) trans-1,3-Dichloroprop...	8.174	79	28040	41.795	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.580%
47) 2-Hexanone-d5	8.624	63	65651	85.537	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.540%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	129174	45.986	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.980%
66) 1,2-Dichlorobenzene-d4	12.187	152	69810	44.728	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	107738	50.996	ug/L	100
3) Chloromethane	1.519	50	121620	49.810	ug/L	99
5) Vinyl chloride	1.602	62	129031	53.780	ug/L	100
6) Bromomethane	1.853	94	74651	38.891	ug/L	98
8) Chloroethane	1.930	64	77655	51.903	ug/L	97
9) Trichlorofluoromethane	2.136	101	145590	52.147	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	87202	53.683	ug/L	98
12) 1,1-Dichloroethene	2.573	96	80549	54.672	ug/L	92
13) Acetone	2.615	43	83554	60.409	ug/L	98
14) Carbon disulfide	2.789	76	262561	52.915	ug/L	99
15) Methyl Acetate	2.937	43	108889	49.700	ug/L	97
16) Methylene chloride	3.036	84	102443	51.388	ug/L	97
17) trans-1,2-Dichloroethene	3.345	96	83274	52.367	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	259328	50.204	ug/L	100
19) 1,1-Dichloroethane	3.859	63	176730	51.849	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	94846	52.341	ug/L	97
22) 2-Butanone	4.689	43	134976	80.605	ug/L	99
23) Bromochloromethane	4.969	128	48622	52.972	ug/L	97
25) Chloroform	5.078	83	176689	53.535	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	140544	50.407	ug/L	98
29) Cyclohexane	5.383	56	143683	51.315	ug/L	99
30) 1,1,1-Trichloroethane	5.309	97	141170	51.768	ug/L	99
31) Carbon tetrachloride	5.518	117	117508	53.051	ug/L	100
33) Benzene	5.766	78	391314	51.670	ug/L	100
34) Trichloroethene	6.538	95	98325	53.023	ug/L	98
35) Methylcyclohexane	6.760	83	140519	51.537	ug/L	100
37) 1,2-Dichloropropane	6.785	63	110613	51.436	ug/L	100
38) Bromodichloromethane	7.097	83	133585	53.328	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	138579	46.574	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	272985	96.827	ug/L	99
42) Toluene	7.965	91	408317	53.712	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	129645	48.129	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	99264	51.338	ug/L	98
46) Tetrachloroethene	8.547	164	65001	52.624	ug/L	95
48) 2-Hexanone	8.676	43	208869	87.842	ug/L	99
49) Dibromochloromethane	8.805	129	95363	54.574	ug/L	99
50) 1,2-Dibromoethane	8.917	107	102495	51.388	ug/L	95
51) Chlorobenzene	9.441	112	240869	52.498	ug/L	100
52) Ethylbenzene	9.567	91	421958	53.841	ug/L	99
53) m,p-Xylene	9.689	106	157865	54.808	ug/L	99
54) o-Xylene	10.094	106	151817	54.386	ug/L	99
55) Styrene	10.110	104	272657	57.463	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	172741	49.043	ug/L	97
59) Bromoform	10.284	173	71348	52.030	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	137660	47.332	ug/L	97
61) Isopropylbenzene	10.480	105	401302	54.540	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	282124	52.920	ug/L	100
63) 1,2,4-Trimethylbenzene	11.464	105	317553	54.948	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	181286	52.716	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	185271	52.166	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	180631	50.255	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	34834	47.244	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	116864	51.456	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	94284	51.977	ug/L	98
71) Naphthalene	14.081	128	257715	44.885	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100192	54.329	ug/L	100

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

