

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080124\
 Data File : VU060291.D
 Acq On : 01 Aug 2024 11:39
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

Quant Time: Aug 02 02:33:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 02:32:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	218846	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	227504	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	112687	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	72089	51.304	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.600%
7) Chloroethane-d5	1.901	69	60515	51.201	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.400%
11) 1,1-Dichloroethene-d2	2.560	63	111858	44.809	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.620%
21) 2-Butanone-d5	4.611	46	113307	116.032	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.030%
24) Chloroform-d	5.055	84	137452	50.514	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.020%
26) 1,2-Dichloroethane-d4	5.692	65	83764	51.772	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.540%
32) Benzene-d6	5.718	84	270137	46.370	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.740%
36) 1,2-Dichloropropane-d6	6.682	67	90891	50.410	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.820%
41) Toluene-d8	7.891	98	242596	43.789	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.580%
43) trans-1,3-Dichloroprop...	8.174	79	36869	43.699	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.400%
47) 2-Hexanone-d5	8.624	63	69172	91.031	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.030%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	143602	51.890	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.780%
66) 1,2-Dichlorobenzene-d4	12.187	152	90222	43.570	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	44123	32.464	ug/L	99
3) Chloromethane	1.518	50	63844	47.869	ug/L	99
5) Vinyl chloride	1.602	62	66187	42.274	ug/L	99
6) Bromomethane	1.843	94	45093	54.830	ug/L	97
8) Chloroethane	1.923	64	47076	46.184	ug/L	100
9) Trichlorofluoromethane	2.129	101	85867	39.393	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	56487	40.711	ug/L	93
12) 1,1-Dichloroethene	2.573	96	52045	40.108	ug/L	99
13) Acetone	2.618	43	81138	80.690	ug/L	95
14) Carbon disulfide	2.785	76	113946	34.792	ug/L	99
15) Methyl Acetate	2.939	43	92445	60.978	ug/L	96
16) Methylene chloride	3.036	84	84275	51.504	ug/L	91
17) trans-1,2-Dichloroethene	3.345	96	56196	42.066	ug/L	94
18) Methyl tert-butyl Ether	3.354	73	222740	51.336	ug/L	98
19) 1,1-Dichloroethane	3.856	63	134689	53.159	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	77404	47.850	ug/L	97
22) 2-Butanone	4.689	43	129484	104.662	ug/L	97
23) Bromochloromethane	4.965	128	40685	47.683	ug/L #	86
25) Chloroform	5.078	83	146004	53.551	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	107810	52.087	ug/L	99
29) Cyclohexane	5.380	56	71651	35.173	ug/L	93
30) 1,1,1-Trichloroethane	5.306	97	100706	42.729	ug/L	99
31) Carbon tetrachloride	5.518	117	82779	42.519	ug/L	98
33) Benzene	5.766	78	298170	48.534	ug/L	100
34) Trichloroethene	6.534	95	70613	43.071	ug/L	91
35) Methylcyclohexane	6.756	83	71176	31.436	ug/L	93
37) 1,2-Dichloropropane	6.782	63	89892	53.159	ug/L	100
38) Bromodichloromethane	7.097	83	109447	51.081	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	108144	41.799	ug/L	96
40) 4-Methyl-2-pentanone	7.782	43	248799	116.410	ug/L	98
42) Toluene	7.962	91	309851	46.199	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	105367	44.337	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	92730	52.362	ug/L	97
46) Tetrachloroethene	8.547	164	46917	34.787	ug/L	94
48) 2-Hexanone	8.676	43	197277	110.289	ug/L	98
49) Dibromochloromethane	8.801	129	87898	50.374	ug/L	99
50) 1,2-Dibromoethane	8.917	107	91248	49.280	ug/L	100
51) Chlorobenzene	9.441	112	200362	45.000	ug/L	97
52) Ethylbenzene	9.563	91	310067	43.292	ug/L	96
53) m,p-Xylene	9.688	106	116854	41.903	ug/L	98
54) o-Xylene	10.094	106	117604	43.855	ug/L	93
55) Styrene	10.110	104	218287	48.250	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	165288	55.345	ug/L	99
59) Bromoform	10.283	173	69924	51.319	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	126611	59.202	ug/L	96
61) Isopropylbenzene	10.479	105	296698	45.168	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	204828	42.595	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	223598	43.411	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	151766	44.550	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	155694	44.210	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	159691	46.403	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.987	75	32868	56.197	ug/L	90
69) 1,3,5-Trichlorobenzene	13.212	180	94804	38.599	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	80926	36.556	ug/L	99
71) Naphthalene	14.081	128	252873	39.527	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	89785	40.424	ug/L	99

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

