

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU073124\
 Data File : VU060274.D
 Acq On : 31 Jul 2024 10:48
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050089

Quant Time: Aug 01 00:15:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 26 04:34:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	247713	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	248288	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	120973	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	95594	60.104	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 120.200%	
7) Chloroethane-d5	1.904	69	72911	54.501	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 109.000%	
11) 1,1-Dichloroethene-d2	2.560	63	139608	49.408	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 98.820%	
21) 2-Butanone-d5	4.612	46	127040	114.935	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 114.930%	
24) Chloroform-d	5.055	84	153903	49.968	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.940%	
26) 1,2-Dichloroethane-d4	5.692	65	91271	49.838	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 99.680%	
32) Benzene-d6	5.718	84	308738	48.560	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 97.120%	
36) 1,2-Dichloropropane-d6	6.682	67	102377	52.027	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 104.060%	
41) Toluene-d8	7.891	98	279940	46.300	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 92.600%	
43) trans-1,3-Dichloroprop...	8.174	79	45791	49.730	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.460%	
47) 2-Hexanone-d5	8.624	63	80496	97.065	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 97.070%	
56) 1,1,2,2-Tetrachloroeth...	10.746	84	155195	51.384	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 102.760%	
66) 1,2-Dichlorobenzene-d4	12.187	152	102196	45.972	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 91.940%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	59614	38.750	ug/L	97
3) Chloromethane	1.515	50	73355	48.590	ug/L	99
5) Vinyl chloride	1.602	62	80296	45.309	ug/L	99
6) Bromomethane	1.846	94	50864	54.640	ug/L	99
8) Chloroethane	1.927	64	52934	45.880	ug/L	95
9) Trichlorofluoromethane	2.133	101	105461	42.744	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	73618	46.875	ug/L	94
12) 1,1-Dichloroethene	2.573	96	61008	41.537	ug/L	95
13) Acetone	2.615	43	98424	86.474	ug/L	97
14) Carbon disulfide	2.789	76	135401	36.525	ug/L	100
15) Methyl Acetate	2.940	43	97300	56.701	ug/L	94
16) Methylene chloride	3.039	84	85027	45.908	ug/L	95
17) trans-1,2-Dichloroethene	3.345	96	63518	42.007	ug/L	95
18) Methyl tert-butyl Ether	3.354	73	229981	46.828	ug/L	98
19) 1,1-Dichloroethane	3.859	63	141450	49.322	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	81361	44.435	ug/L	96
22) 2-Butanone	4.692	43	142505	101.764	ug/L	96
23) Bromochloromethane	4.965	128	42792	44.308	ug/L #	92
25) Chloroform	5.078	83	150743	48.846	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	109166	46.596	ug/L	98
29) Cyclohexane	5.380	56	95465	42.940	ug/L	91
30) 1,1,1-Trichloroethane	5.309	97	116335	45.228	ug/L	99
31) Carbon tetrachloride	5.515	117	95285	44.846	ug/L	99
33) Benzene	5.766	78	319350	47.630	ug/L	100
34) Trichloroethene	6.538	95	77189	43.141	ug/L	97
35) Methylcyclohexane	6.756	83	99960	40.453	ug/L	95
37) 1,2-Dichloropropane	6.785	63	92647	50.202	ug/L	100
38) Bromodichloromethane	7.097	83	113138	48.384	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	130512	46.222	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	257487	110.391	ug/L	98
42) Toluene	7.962	91	334433	45.690	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	123328	47.551	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	92928	48.081	ug/L	96
46) Tetrachloroethene	8.547	164	55952	38.013	ug/L	94
48) 2-Hexanone	8.676	43	214417	109.837	ug/L	98
49) Dibromochloromethane	8.801	129	87282	45.834	ug/L	96
50) 1,2-Dibromoethane	8.917	107	92595	45.821	ug/L	98
51) Chlorobenzene	9.441	112	214522	44.147	ug/L	97
52) Ethylbenzene	9.563	91	344878	44.122	ug/L	97
53) m,p-Xylene	9.689	106	129804	42.651	ug/L	96
54) o-Xylene	10.094	106	127338	43.510	ug/L	93
55) Styrene	10.110	104	231548	46.897	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	170682	52.367	ug/L	100
59) Bromoform	10.283	173	71048	48.573	ug/L	97
60) 1,2,3-Trichloropropane	10.814	75	127673	55.609	ug/L	97
61) Isopropylbenzene	10.480	105	341550	48.435	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	239786	46.450	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	260413	47.095	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	164953	45.104	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	168001	44.438	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	170400	46.123	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	34530	54.995	ug/L	91
69) 1,3,5-Trichlorobenzene	13.213	180	111457	42.270	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	94287	39.674	ug/L	99
71) Naphthalene	14.081	128	305144	44.431	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	101970	42.765	ug/L	99

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

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