

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053024\
 Data File : VU059079.D
 Acq On : 30 May 2024 08:49
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050168

Quant Time: May 31 03:13:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 00:34:31 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	218130	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	217744	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	106243	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	60553	46.364	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	92.720%		
7) Chloroethane-d5	1.907	69	53205	47.557	ug/L	0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.120%		
11) 1,1-Dichloroethene-d2	2.566	63	117646	45.636	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.280%		
21) 2-Butanone-d5	4.615	46	109307	88.794	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.790%		
24) Chloroform-d	5.055	84	125646	48.326	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.660%		
26) 1,2-Dichloroethane-d4	5.695	65	74172	46.545	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.100%		
32) Benzene-d6	5.721	84	235724	47.168	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.340%		
36) 1,2-Dichloropropane-d6	6.682	67	79622	46.207	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.420%		
41) Toluene-d8	7.891	98	202787	47.799	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.600%		
43) trans-1,3-Dichloroprop...	8.174	79	30542	43.849	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.700%		
47) 2-Hexanone-d5	8.627	63	64508	80.955	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.960%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	126473	43.368	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.740%		
66) 1,2-Dichlorobenzene-d4	12.187	152	73334	46.253	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	107747	48.751	ug/L	99
3) Chloromethane	1.515	50	118221	46.283	ug/L	100
5) Vinyl chloride	1.602	62	121529	48.419	ug/L	99
6) Bromomethane	1.853	94	74444	37.073	ug/L	95
8) Chloroethane	1.930	64	71983	45.990	ug/L	96
9) Trichlorofluoromethane	2.136	101	140949	48.258	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	80837	47.570	ug/L	97
12) 1,1-Dichloroethene	2.576	96	74356	48.242	ug/L	93
13) Acetone	2.624	43	90339m	62.434	ug/L	
14) Carbon disulfide	2.788	76	249100	47.988	ug/L	100
15) Methyl Acetate	2.943	43	101621	44.337	ug/L	97
16) Methylene chloride	3.036	84	98942	47.443	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	80910	48.636	ug/L	97
18) Methyl tert-butyl Ether	3.351	73	248025	45.898	ug/L	98
19) 1,1-Dichloroethane	3.859	63	166810	46.780	ug/L	99
20) cis-1,2-Dichloroethene	4.656	96	89368	47.143	ug/L	95
22) 2-Butanone	4.695	43	129817	74.105	ug/L	100
23) Bromochloromethane	4.965	128	45231	47.104	ug/L	96
25) Chloroform	5.078	83	166425	48.201	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	131440	45.063	ug/L	99
29) Cyclohexane	5.380	56	133775	46.018	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	133725	47.234	ug/L	100
31) Carbon tetrachloride	5.518	117	108588	47.220	ug/L	99
33) Benzene	5.766	78	372493	47.375	ug/L	100
34) Trichloroethene	6.534	95	95084	49.389	ug/L	98
35) Methylcyclohexane	6.756	83	136497	48.220	ug/L	98
37) 1,2-Dichloropropane	6.782	63	104559	46.832	ug/L	99
38) Bromodichloromethane	7.097	83	122776	47.209	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	132401	42.861	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	257540	87.988	ug/L	100
42) Toluene	7.962	91	383983	48.653	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	124992	44.694	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	94166	46.910	ug/L	100
46) Tetrachloroethene	8.547	164	61994	48.343	ug/L	96
48) 2-Hexanone	8.676	43	199031	80.625	ug/L	99
49) Dibromochloromethane	8.801	129	88425	48.742	ug/L	98
50) 1,2-Dibromoethane	8.917	107	96185	46.451	ug/L	98
51) Chlorobenzene	9.441	112	225644	47.370	ug/L	99
52) Ethylbenzene	9.563	91	395560	48.616	ug/L	99
53) m,p-Xylene	9.688	106	147493	49.323	ug/L	99
54) o-Xylene	10.094	106	141016	48.659	ug/L	99
55) Styrene	10.110	104	251325	51.019	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.775	83	159198	43.535	ug/L	99
59) Bromoform	10.283	173	64016	45.955	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	128010	43.327	ug/L	99
61) Isopropylbenzene	10.479	105	375749	50.271	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	265192	48.968	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	293762	50.039	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	171203	49.007	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	174362	48.328	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	172278	47.183	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	31343	41.846	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	111352	48.264	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	91971	49.911	ug/L	97
71) Naphthalene	14.080	128	251293	43.084	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	94853	50.632	ug/L	99

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

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