

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054793.D
 Acq On : 17 Jul 2023 14:14
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV034

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2023
 Supervised By : Mahesh Dadoda 07/18/2023

Quant Time: Jul 18 05:57:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:50:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	248751	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	239628	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	131766	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	96321	50.100	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 100.200%		
7) Chloroethane-d5	1.894	69	99360m	51.663	ug/L	0.02
Spiked Amount	50.000	Range 70 - 130	Recovery	= 103.320%		
11) 1,1-Dichloroethene-d2	2.560	63	128971	46.765	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 93.520%		
21) 2-Butanone-d5	4.618	46	127324	103.031	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	= 103.030%		
24) Chloroform-d	5.058	84	147906	49.421	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 98.840%		
26) 1,2-Dichloroethane-d4	5.695	65	85717	47.829	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 95.660%		
32) Benzene-d6	5.721	84	281568	49.328	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 98.660%		
36) 1,2-Dichloropropane-d6	6.685	67	96070	49.984	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 99.960%		
41) Toluene-d8	7.894	98	278144	51.137	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 102.280%		
43) trans-1,3-Dichloroprop...	8.177	79	47076	47.880	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 95.760%		
47) 2-Hexanone-d5	8.630	63	87615	96.435	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	= 96.440%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	160937	45.588	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 91.180%		
66) 1,2-Dichlorobenzene-d4	12.190	152	111564	49.272	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 98.540%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	73184	38.929	ug/L	98
3) Chloromethane	1.521	50	81447	37.990	ug/L	96
5) Vinyl chloride	1.602	62	117746	42.241	ug/L	98
6) Bromomethane	1.827	94	95631	56.366	ug/L	99
8) Chloroethane	1.917	64	89426m	46.374	ug/L	
9) Trichlorofluoromethane	2.126	101	206854	46.363	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	80252	48.760	ug/L	98
12) 1,1-Dichloroethene	2.570	96	68298	44.127	ug/L	92
13) Acetone	2.621	43	112699	108.425	ug/L	99
14) Carbon disulfide	2.785	76	153165	33.890	ug/L	98
15) Methyl Acetate	2.943	43	89835	51.817	ug/L	98
16) Methylene chloride	3.039	84	86162	46.114	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	69058	43.106	ug/L	99
18) Methyl tert-butyl Ether	3.357	73	279986	50.500	ug/L	98
19) 1,1-Dichloroethane	3.859	63	153121	50.091	ug/L	99
20) cis-1,2-Dichloroethene	4.660	96	91798	48.210	ug/L	99
22) 2-Butanone	4.695	43	151157	105.335	ug/L	99
23) Bromochloromethane	4.968	128	45917	47.401	ug/L	97
25) Chloroform	5.081	83	161165	50.277	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	119299	49.006	ug/L	98
29) Cyclohexane	5.383	56	110530	41.948	ug/L	98
30) 1,1,1-Trichloroethane	5.309	97	134140	50.441	ug/L	99
31) Carbon tetrachloride	5.518	117	114513	49.863	ug/L	99
33) Benzene	5.769	78	332075	48.367	ug/L	100
34) Trichloroethene	6.537	95	86045	49.235	ug/L	95
35) Methylcyclohexane	6.759	83	125031	43.777	ug/L	100
37) 1,2-Dichloropropane	6.785	63	93501	49.518	ug/L	99
38) Bromodichloromethane	7.100	83	124961	51.583	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	158297	50.830	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	293860	101.637	ug/L	100
42) Toluene	7.965	91	375639	48.894	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	145946	49.880	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	96481	50.117	ug/L	97
46) Tetrachloroethene	8.550	164	62627	46.742	ug/L	99
48) 2-Hexanone	8.679	43	243715	101.750	ug/L	98
49) Dibromochloromethane	8.807	129	101471	51.173	ug/L	98
50) 1,2-Dibromoethane	8.920	107	101277	48.875	ug/L	93
51) Chlorobenzene	9.444	112	247496	49.518	ug/L	98
52) Ethylbenzene	9.566	91	432329	48.673	ug/L	100
53) m,p-Xylene	9.692	106	164880	48.755	ug/L	96
54) o-Xylene	10.097	106	166882	48.576	ug/L	93
55) Styrene	10.113	104	291542	48.725	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	181852	47.846	ug/L	97
59) Bromoform	10.286	173	83201	50.481	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	127680	49.660	ug/L	98
61) Isopropylbenzene	10.483	105	456164	52.396	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	364752	50.873	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	334659	47.090	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	206353	51.107	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	209317	51.469	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	209424	51.633	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	36031	52.433	ug/L	97
69) 1,3,5-Trichlorobenzene	13.216	180	143008	52.836	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	133231	57.017	ug/L	98
71) Naphthalene	14.084	128	428151	55.826	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	131238	57.676	ug/L	100

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

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