

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
 Data File : VU054800.D
 Acq On : 18 Jul 2023 10:50
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050104

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

Quant Time: Jul 19 02:32:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:31:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	257103	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	245376	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	132600	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	85309	42.931	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.860%		
7) Chloroethane-d5	1.904	69	89224m	44.885	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.780%		
11) 1,1-Dichloroethene-d2	2.563	63	126592	44.411	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.820%		
21) 2-Butanone-d5	4.615	46	116537	91.238	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.240%		
24) Chloroform-d	5.058	84	142739	46.145	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.280%		
26) 1,2-Dichloroethane-d4	5.695	65	87075	47.009	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.020%		
32) Benzene-d6	5.721	84	274798	47.015	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.020%		
36) 1,2-Dichloropropane-d6	6.685	67	94524	48.028	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.060%		
41) Toluene-d8	7.894	98	269158	48.325	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.660%		
43) trans-1,3-Dichloroprop...	8.177	79	46449	46.136	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.280%		
47) 2-Hexanone-d5	8.627	63	80195	86.200	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.200%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	147902	40.914	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.820%		
66) 1,2-Dichlorobenzene-d4	12.190	152	108861	47.776	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	91318	46.997	ug/L	100
3) Chloromethane	1.521	50	103561	46.735	ug/L	99
5) Vinyl chloride	1.602	62	134355	46.634	ug/L	97
6) Bromomethane	1.843	94	101155	57.685	ug/L	95
8) Chloroethane	1.927	64	90056	45.184	ug/L	97
9) Trichlorofluoromethane	2.132	101	206090	44.691	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	79027	46.456	ug/L	98
12) 1,1-Dichloroethene	2.573	96	74002	46.259	ug/L	97
13) Acetone	2.618	43	100917	93.936	ug/L	99
14) Carbon disulfide	2.788	76	219310	46.949	ug/L	99
15) Methyl Acetate	2.943	43	80457	44.900	ug/L	96
16) Methylene chloride	3.042	84	84928	43.977	ug/L	96
17) trans-1,2-Dichloroethene	3.348	96	76006	45.902	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	259614	45.304	ug/L	98
19) 1,1-Dichloroethane	3.862	63	145306	45.990	ug/L	98
20) cis-1,2-Dichloroethene	4.663	96	89607	45.531	ug/L	100
22) 2-Butanone	4.695	43	131623	88.743	ug/L	99
23) Bromochloromethane	4.971	128	46522	46.465	ug/L	98
25) Chloroform	5.084	83	151884	45.842	ug/L	99

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27) 1,2-Dichloroethane	5.788	62	114654	45.568	ug/L	98
29) Cyclohexane	5.383	56	129739	48.085	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	133653	49.080	ug/L	99
31) Carbon tetrachloride	5.518	117	113470	48.251	ug/L	99
33) Benzene	5.769	78	334554	47.587	ug/L	100
34) Trichloroethene	6.537	95	86740	48.470	ug/L	98
35) Methylcyclohexane	6.759	83	140154	47.922	ug/L	99
37) 1,2-Dichloropropane	6.785	63	89638	46.360	ug/L	100
38) Bromodichloromethane	7.100	83	115759	46.665	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	151793	47.600	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	251491	84.945	ug/L	100
42) Toluene	7.965	91	368740	46.872	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	138245	46.142	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	89011	45.153	ug/L	97
46) Tetrachloroethene	8.550	164	64664	47.132	ug/L	96
48) 2-Hexanone	8.679	43	206666	84.261	ug/L	98
49) Dibromochloromethane	8.807	129	90684	44.661	ug/L	94
50) 1,2-Dibromoethane	8.920	107	96353	45.410	ug/L	94
51) Chlorobenzene	9.444	112	232654	45.458	ug/L	97
52) Ethylbenzene	9.566	91	419393	46.111	ug/L	94
53) m,p-Xylene	9.692	106	162721	46.990	ug/L	95
54) o-Xylene	10.097	106	157860	44.873	ug/L	90
55) Styrene	10.113	104	269042	43.911	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	155541	39.965	ug/L	97
59) Bromoform	10.286	173	70423	42.459	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	110548	42.726	ug/L	99
61) Isopropylbenzene	10.483	105	421859	48.151	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	346876	48.075	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	341974	47.816	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	191720	47.184	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	190083	46.446	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	187272	45.881	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	31170	45.074	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	130471	47.901	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	120662	51.314	ug/L	100
71) Naphthalene	14.084	128	396785	51.411	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	115126	50.277	ug/L	99

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

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