

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054788.D
 Acq On : 17 Jul 2023 09:50
 Operator : MD/SY
 Sample : VSTD00529
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005029

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 05:32:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 18 05:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	239707	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.416	117	221824	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	120091	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	9225	4.979	ug/L	0.00
7) Chloroethane-d5	1.882	69	7548	4.073	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	12353	4.648	ug/L	0.00
21) 2-Butanone-d5	4.631	46	10841m	9.104	ug/L	0.02
24) Chloroform-d	5.059	84	14345	4.974	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	8387	4.856	ug/L	0.00
32) Benzene-d6	5.724	84	27032	5.116	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.686	67	9657	5.428	ug/L	0.00
41) Toluene-d8	7.898	98	26188	5.201	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	4906	5.390	ug/L	0.00
47) 2-Hexanone-d5	8.637	63	7610	9.048	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.756	84	16082	4.921	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.194	152	10098	4.893	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.381	85	8183	4.517	ug/L	94
3) Chloromethane	1.519	50	9301	4.502	ug/L	95
5) Vinyl chloride	1.602	62	11506	4.283	ug/L	96
6) Bromomethane	1.827	94	7861	4.808	ug/L	99
8) Chloroethane	1.905	64	8546	4.599	ug/L	98
9) Trichlorofluoromethane	2.120	101	17921	4.168	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	6611	4.168	ug/L #	71
12) 1,1-Dichloroethene	2.570	96	6238	4.182	ug/L	86
13) Acetone	2.622	43	10416	10.399	ug/L	95
14) Carbon disulfide	2.786	76	18330	4.209	ug/L	95
15) Methyl Acetate	2.946	43	6546	3.918	ug/L	100
16) Methylene chloride	3.043	84	7878	4.375	ug/L	82
17) trans-1,2-Dichloroethene	3.342	96	6271	4.062	ug/L	88
18) Methyl tert-butyl Ether	3.361	73	22080	4.133	ug/L #	84
19) 1,1-Dichloroethane	3.863	63	11704	3.973	ug/L #	95
20) cis-1,2-Dichloroethene	4.663	96	7522	4.099	ug/L	94
22) 2-Butanone	4.712	43	13082m	9.564	ug/L	
23) Bromochloromethane	4.975	128	3885	4.162	ug/L	90
25) Chloroform	5.078	83	12863	4.164	ug/L	98
27) 1,2-Dichloroethane	5.795	62	9211	3.926	ug/L #	90
29) Cyclohexane	5.377	56	11299	4.632	ug/L	97
30) 1,1,1-Trichloroethane	5.310	97	10980	4.460	ug/L	98
31) Carbon tetrachloride	5.519	117	8989	4.228	ug/L	95
33) Benzene	5.769	78	27073	4.260	ug/L	100
34) Trichloroethene	6.538	95	6922	4.279	ug/L	92
35) Methylcyclohexane	6.757	83	11946	4.518	ug/L	99
37) 1,2-Dichloropropane	6.785	63	7783	4.453	ug/L #	88
38) Bromodichloromethane	7.104	83	9872	4.402	ug/L #	91
39) cis-1,3-Dichloropropene	7.605	75	12868	4.464	ug/L	89
40) 4-Methyl-2-pentanone	7.792	43	22431	8.381	ug/L	97
42) Toluene	7.969	91	30377	4.271	ug/L	98
44) trans-1,3-Dichloropropene	8.210	75	11400	4.209	ug/L	98

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45) 1,1,2-Trichloroethane	8.400	97	7758	4.353	ug/L	95
46) Tetrachloroethene	8.554	164	5320	4.289	ug/L	95
48) 2-Hexanone	8.686	43	19414m	8.975	ug/L	
49) Dibromochloromethane	8.805	129	7785	4.241	ug/L	93
50) 1,2-Dibromoethane	8.924	107	8379	4.368	ug/L	92
51) Chlorobenzene	9.444	112	20091	4.342	ug/L	93
52) Ethylbenzene	9.570	91	34007	4.136	ug/L	98
53) m,p-Xylene	9.695	106	13027	4.161	ug/L	93
54) o-Xylene	10.100	106	13383	4.208	ug/L	85
55) Styrene	10.113	104	20993	3.790	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.779	83	14842	4.218	ug/L	99
59) Bromoform	10.290	173	6461	4.301	ug/L #	41
60) 1,2,3-Trichloropropane	10.821	75	10360	4.421	ug/L	95
61) Isopropylbenzene	10.483	105	33897	4.272	ug/L	98
62) 1,3,5-Trimethylbenzene	11.088	105	26872	4.112	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	25557	3.946	ug/L	98
64) 1,3-Dichlorobenzene	11.747	146	15537	4.222	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	15446	4.167	ug/L #	85
67) 1,2-Dichlorobenzene	12.213	146	15194	4.110	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	2482	3.963	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.219	180	10410	4.220	ug/L	87
70) 1,2,4-trichlorobenzene	13.840	180	6951	3.264	ug/L #	60
71) Naphthalene	14.087	128	22827	3.266	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.332	180	7765	3.744	ug/L #	79

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

