

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071723\
 Data File : VU054792.D
 Acq On : 17 Jul 2023 11:30
 Operator : MD/SY
 Sample : VSTD20033
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200033

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 05:35:05 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	6.242	114	246458	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	258721	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	158923	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	395004	207.366	ug/L	0.00
7) Chloroethane-d5	1.879	69	393293m	206.397	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	63	578347	211.659	ug/L	0.00
21) 2-Butanone-d5	4.615	46	545589	445.599	ug/L	0.00
24) Chloroform-d	5.055	84	623253	210.189	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	378489	213.159	ug/L	0.00
32) Benzene-d6	5.721	84	1220747	198.082	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.686	67	416223	200.574	ug/L	0.00
41) Toluene-d8	7.894	98	1218020	207.406	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	220197	207.430	ug/L	0.00
47) 2-Hexanone-d5	8.631	63	440566	449.131	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	825302	216.526	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	576421	211.073	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	388530	208.594	ug/L	100
3) Chloromethane	1.519	50	428675	201.809	ug/L	97
5) Vinyl chloride	1.602	62	585886	212.140	ug/L	100
6) Bromomethane	1.824	94	336404	200.124	ug/L	100
8) Chloroethane	1.901	64	391757	205.047	ug/L	100
9) Trichlorofluoromethane	2.120	101	936139	211.774	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	345592	211.929	ug/L	99
12) 1,1-Dichloroethene	2.567	96	332078	216.549	ug/L	97
13) Acetone	2.621	43	390400	379.091	ug/L	99
14) Carbon disulfide	2.782	76	975673	217.891	ug/L	100
15) Methyl Acetate	2.940	43	383009	222.974	ug/L	100
16) Methylene chloride	3.036	84	384704	207.811	ug/L	96
17) trans-1,2-Dichloroethene	3.342	96	343603	216.475	ug/L	98
18) Methyl tert-butyl Ether	3.358	73	1192196	217.032	ug/L	99
19) 1,1-Dichloroethane	3.859	63	651436	215.087	ug/L	98
20) cis-1,2-Dichloroethene	4.657	96	401774	212.965	ug/L	97
22) 2-Butanone	4.695	43	600672	427.105	ug/L	99
23) Bromochloromethane	4.969	128	208195	216.921	ug/L	93
25) Chloroform	5.081	83	681351	214.531	ug/L	99
27) 1,2-Dichloroethane	5.788	62	533272	221.097	ug/L	100
29) Cyclohexane	5.380	56	565381	198.737	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	586302	204.197	ug/L	100
31) Carbon tetrachloride	5.518	117	506431	204.244	ug/L	100
33) Benzene	5.769	78	1524845	205.705	ug/L	100
34) Trichloroethene	6.538	95	388057	205.659	ug/L	97
35) Methylcyclohexane	6.756	83	620901	201.350	ug/L	99
37) 1,2-Dichloropropane	6.785	63	415475	203.796	ug/L	99
38) Bromodichloromethane	7.100	83	545056	208.390	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	718294	213.626	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	1366474	437.741	ug/L	100
42) Toluene	7.965	91	1751557	211.163	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	692698	219.274	ug/L	99

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45) 1,1,2-Trichloroethane	8.396	97	437088	210.288	ug/L	99
46) Tetrachloroethene	8.550	164	297722	205.808	ug/L	98
48) 2-Hexanone	8.682	43	1148315	455.152	ug/L	98
49) Dibromochloromethane	8.808	129	470367	219.704	ug/L	100
50) 1,2-Dibromoethane	8.920	107	473702	211.733	ug/L	95
51) Chlorobenzene	9.444	112	1159403	214.851	ug/L	98
52) Ethylbenzene	9.566	91	2081407	217.038	ug/L	94
53) m,p-Xylene	9.692	106	799385	218.935	ug/L	91
54) o-Xylene	10.097	106	834374	224.945	ug/L	90
55) Styrene	10.110	104	1508342	233.483	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	894922	218.080	ug/L	98
59) Bromoform	10.287	173	426899	214.754	ug/L #	98
60) 1,2,3-Trichloropropane	10.820	75	632204	203.872	ug/L	99
61) Isopropylbenzene	10.480	105	2216323	211.071	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	1891376	218.717	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	1891446	220.665	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	1026505	210.788	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	1046910	213.437	ug/L	90
67) 1,2-Dichlorobenzene	12.209	146	1039445	212.479	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	182229	219.869	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	707730	216.799	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	657755	233.391	ug/L	98
71) Naphthalene	14.081	128	2212650	239.204	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	631318	230.039	ug/L	99

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

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