

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050834.D
 Acq On : 20 Sep 2022 15:29
 Operator : JC/MD
 Sample : VSTD20035
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200035

Quant Time: Sep 21 02:11:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 02:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.246	114	492037	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	490939	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	264403	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	993756	224.142	ug/L	0.00
7) Chloroethane-d5	1.887	69	675096	225.327	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.559	63	1562483	205.931	ug/L	0.00
21) 2-Butanone-d5	4.616	46	1447632	463.347	ug/L	0.00
24) Chloroform-d	5.060	84	1564388	195.085	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.697	65	950431	193.286	ug/L	0.00
32) Benzene-d6	5.726	84	3202326	196.037	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.690	67	1071512	200.608	ug/L	0.00
41) Toluene-d8	7.896	98	2913579	207.929	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.179	79	507433	225.982	ug/L	0.00
47) 2-Hexanone-d5	8.632	63	1118721	722.242	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.758	84	1706603	209.701	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.192	152	1090312	177.340	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.382	85	959091	199.109	ug/L	100
3) Chloromethane	1.520	50	1083607	204.506	ug/L	99
5) Vinyl chloride	1.600	62	1096031	217.538	ug/L	98
6) Bromomethane	1.825	94	498519	193.191	ug/L	97
8) Chloroethane	1.909	64	570283	212.045	ug/L	99
9) Trichlorofluoromethane	2.121	101	1153145	192.720	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	730731	187.268	ug/L	100
12) 1,1-Dichloroethene	2.568	96	733068	194.492	ug/L	96
13) Acetone	2.620	43	887094	372.463	ug/L	98
14) Carbon disulfide	2.784	76	2308674	203.329	ug/L	99
15) Methyl Acetate	2.941	43	1018852	204.426	ug/L	99
16) Methylene chloride	3.038	84	877434	177.355	ug/L	99
17) trans-1,2-Dichloroethene	3.346	96	762044	192.043	ug/L	98
18) Methyl tert-butyl Ether	3.359	73	2507983	204.506	ug/L	99
19) 1,1-Dichloroethane	3.864	63	1489004	193.226	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	880403	196.654	ug/L	99
22) 2-Butanone	4.697	43	1534032	418.659	ug/L	100
23) Bromochloromethane	4.970	128	428573	185.551	ug/L	98
25) Chloroform	5.083	83	1485591	190.246	ug/L	99
27) 1,2-Dichloroethane	5.790	62	1133114	194.830	ug/L	99
29) Cyclohexane	5.385	56	1442824	217.047	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	1236174	186.993	ug/L	99
31) Carbon tetrachloride	5.520	117	1022351	187.989	ug/L	99
33) Benzene	5.771	78	3472232	193.146	ug/L	100
34) Trichloroethene	6.539	95	816704	196.144	ug/L	99
35) Methylcyclohexane	6.761	83	1431489	214.167	ug/L	97
37) 1,2-Dichloropropane	6.790	63	932204	195.936	ug/L	100
38) Bromodichloromethane	7.105	83	1140971	204.325	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	1423757	221.590	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	2983433	455.426	ug/L	98
42) Toluene	7.967	91	3659310	200.244	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	1352615	221.462	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.398	97	878010	192.885	ug/L	99
46) Tetrachloroethene	8.552	164	586385	192.867	ug/L	99
48) 2-Hexanone	8.684	43	2435301	405.233	ug/L	98
49) Dibromochloromethane	8.809	129	913006	209.067	ug/L	100
50) 1,2-Dibromoethane	8.922	107	949696	204.809	ug/L	99
51) Chlorobenzene	9.446	112	2200598	195.774	ug/L	99
52) Ethylbenzene	9.568	91	3938722	219.566	ug/L	100
53) m,p-Xylene	9.693	106	1476852	213.307	ug/L	98
54) o-Xylene	10.098	106	1480728	216.641	ug/L	99
55) Styrene	10.114	104	2619020	230.275	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.783	83	1704464	207.630	ug/L	100
59) Bromoform	10.291	173	721249	181.768	ug/L	99
60) 1,2,3-Trichloropropane	10.822	75	1301478	167.473	ug/L	99
61) Isopropylbenzene	10.484	105	3851983	184.916	ug/L	100
62) 1,3,5-Trimethylbenzene	11.089	105	3404596	192.008	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	3419185	199.532	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	1705498	185.242	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	1716208	188.605	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	1752972	179.229	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.995	75	402866	192.878	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	1224913	185.877	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	1102950	195.956	ug/L	99
71) Naphthalene	14.085	128	4402396	215.790	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	1158698	189.422	ug/L	99

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

