

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112122\
 Data File : VU052030.D
 Acq On : 22 Nov 2022 07:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050132

Quant Time: Nov 22 07:20:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 22 03:27:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	467925	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	464425	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	226954	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	187789	46.312	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.620%
7) Chloroethane-d5	1.903	69	160124	49.862	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.720%
11) 1,1-Dichloroethene-d2	2.565	63	289609	48.183	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.360%
21) 2-Butanone-d5	4.616	46	246351	101.100	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.100%
24) Chloroform-d	5.060	84	330072	49.682	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.360%
26) 1,2-Dichloroethane-d4	5.697	65	197222	49.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.720%
32) Benzene-d6	5.726	84	680032	49.125	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.240%
36) 1,2-Dichloropropane-d6	6.687	67	220017	49.473	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.940%
41) Toluene-d8	7.896	98	616292	49.829	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.660%
43) trans-1,3-Dichloroprop...	8.176	79	87015	45.963	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.920%
47) 2-Hexanone-d5	8.629	63	179780	103.631	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.630%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	345942	49.169	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.340%
66) 1,2-Dichlorobenzene-d4	12.192	152	225745	48.100	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	125809	50.085	ug/L	99
3) Chloromethane	1.523	50	180706	50.199	ug/L	99
5) Vinyl chloride	1.604	62	184587	49.941	ug/L	99
6) Bromomethane	1.842	94	96186	51.847	ug/L	99
8) Chloroethane	1.925	64	123543	50.974	ug/L	99
9) Trichlorofluoromethane	2.134	101	221157	50.052	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	140468	49.512	ug/L	98
12) 1,1-Dichloroethene	2.578	96	135187	49.895	ug/L	97
13) Acetone	2.620	43	164519	73.910	ug/L	99
14) Carbon disulfide	2.790	76	324203	47.320	ug/L	99
15) Methyl Acetate	2.941	43	187899	52.874	ug/L	98
16) Methylene chloride	3.044	84	207679	50.326	ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	144861	50.250	ug/L	97
18) Methyl tert-butyl Ether	3.359	73	494771	52.839	ug/L	99
19) 1,1-Dichloroethane	3.867	63	308746	52.057	ug/L	99
20) cis-1,2-Dichloroethene	4.661	96	179866	51.968	ug/L	94
22) 2-Butanone	4.697	43	265249	95.573	ug/L	99
23) Bromochloromethane	4.970	128	96555	51.826	ug/L	97
25) Chloroform	5.086	83	318615	52.063	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	233612	50.884	ug/L	99
29) Cyclohexane	5.388	56	210783	51.755	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	237687	49.907	ug/L	99
31) Carbon tetrachloride	5.520	117	189843	49.234	ug/L	98
33) Benzene	5.771	78	709782	51.588	ug/L	100
34) Trichloroethene	6.539	95	158885	49.494	ug/L	99
35) Methylcyclohexane	6.761	83	220588	50.137	ug/L	100
37) 1,2-Dichloropropane	6.787	63	196734	51.184	ug/L	100
38) Bromodichloromethane	7.102	83	235546	49.635	ug/L	100
39) cis-1,3-Dichloropropene	7.603	75	254464	48.958	ug/L	99
40) 4-Methyl-2-pentanone	7.787	43	520922	106.557	ug/L	99
42) Toluene	7.967	91	746949	52.538	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	236101	48.565	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	193464	51.059	ug/L	98
46) Tetrachloroethene	8.552	164	114488	47.273	ug/L	98
48) 2-Hexanone	8.681	43	415061	102.598	ug/L	100
49) Dibromochloromethane	8.806	129	186507	48.434	ug/L	98
50) 1,2-Dibromoethane	8.922	107	196099	51.529	ug/L	98
51) Chlorobenzene	9.443	112	469721	50.215	ug/L	98
52) Ethylbenzene	9.568	91	747677	51.650	ug/L	98
53) m,p-Xylene	9.690	106	292314	52.264	ug/L	100
54) o-Xylene	10.098	106	303205	53.578	ug/L	99
55) Styrene	10.111	104	515607	53.780	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	359303	52.110	ug/L	100
59) Bromoform	10.288	173	142322	48.420	ug/L	99
60) 1,2,3-Trichloropropane	10.819	75	270015	51.237	ug/L	100
61) Isopropylbenzene	10.481	105	736236	53.164	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	596685	53.930	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	589240	54.650	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	343636	51.188	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	338467	49.481	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	367785	52.288	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	63667	49.036	ug/L	99
69) 1,3,5-Trichlorobenzene	13.217	180	216811	48.377	ug/L	100
70) 1,2,4-trichlorobenzene	13.835	180	171755	47.708	ug/L	99
71) Naphthalene	14.082	128	608510	51.918	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	195916	50.231	ug/L	99

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

