

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092222\
 Data File : VU050913.D
 Acq On : 22 Sep 2022 21:10
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050092

Quant Time: Sep 23 01:14:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 23 01:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	445542	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	430644	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	206437	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	141563	30.667	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.340%
7) Chloroethane-d5	1.903	69	125610	38.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.420%
11) 1,1-Dichloroethene-d2	2.565	63	266254	37.069	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.140%
21) 2-Butanone-d5	4.617	46	347927	116.748	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.750%
24) Chloroform-d	5.060	84	308822	42.690	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.380%
26) 1,2-Dichloroethane-d4	5.700	65	192578	43.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.400%
32) Benzene-d6	5.726	84	580075	40.895	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.780%
36) 1,2-Dichloropropane-d6	6.687	67	202957	42.389	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.780%
41) Toluene-d8	7.896	98	506057	40.814	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.620%
43) trans-1,3-Dichloroprop...	8.176	79	87297	41.912	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.820%
47) 2-Hexanone-d5	8.629	63	211251	107.066	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.070%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	350858	48.065	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.120%
66) 1,2-Dichlorobenzene-d4	12.192	152	189909	43.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	212750	46.115	ug/L	100
3) Chloromethane	1.520	50	240909	44.917	ug/L	97
5) Vinyl chloride	1.604	62	244165	46.501	ug/L	98
6) Bromomethane	1.842	94	140653	53.025	ug/L	99
8) Chloroethane	1.925	64	144864	49.830	ug/L	98
9) Trichlorofluoromethane	2.134	101	283105	49.708	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	173612	47.625	ug/L	100
12) 1,1-Dichloroethene	2.578	96	162286	47.379	ug/L	87
13) Acetone	2.620	43	229194	90.827	ug/L	98
14) Carbon disulfide	2.790	76	499554	46.121	ug/L	100
15) Methyl Acetate	2.941	43	243202	51.071	ug/L	98
16) Methylene chloride	3.041	84	211257	44.419	ug/L	97
17) trans-1,2-Dichloroethene	3.350	96	168807	48.083	ug/L	99
18) Methyl tert-butyl Ether	3.359	73	535009	49.989	ug/L	99
19) 1,1-Dichloroethane	3.864	63	339939	47.921	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	197229	50.668	ug/L	100
22) 2-Butanone	4.694	43	363916	109.409	ug/L	100
23) Bromochloromethane	4.970	128	98725	48.392	ug/L	97
25) Chloroform	5.086	83	345795	48.913	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	265292	49.379	ug/L	100
29) Cyclohexane	5.388	56	288717	48.717	ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	284387	49.638	ug/L	99
31) Carbon tetrachloride	5.523	117	236130	49.613	ug/L	99
33) Benzene	5.771	78	783656	49.447	ug/L	100
34) Trichloroethene	6.539	95	185280	50.329	ug/L	98
35) Methylcyclohexane	6.761	83	292864	49.373	ug/L	98
37) 1,2-Dichloropropane	6.790	63	209817	48.381	ug/L	100
38) Bromodichloromethane	7.102	83	258058	49.944	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	279078	48.089	ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	658860	110.238	ug/L	99
42) Toluene	7.967	91	810156	51.494	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	271171	49.120	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	203557	50.933	ug/L	99
46) Tetrachloroethene	8.552	164	131116	49.562	ug/L	100
48) 2-Hexanone	8.681	43	554301	110.991	ug/L	99
49) Dibromochloromethane	8.809	129	197045	50.284	ug/L	98
50) 1,2-Dibromoethane	8.922	107	210742	50.824	ug/L	99
51) Chlorobenzene	9.446	112	472464	49.189	ug/L	100
52) Ethylbenzene	9.568	91	803015	51.162	ug/L	99
53) m,p-Xylene	9.690	106	303396	51.994	ug/L	97
54) o-Xylene	10.099	106	303633	52.224	ug/L	100
55) Styrene	10.112	104	533651	53.535	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.780	83	362570	49.029	ug/L	98
59) Bromoform	10.288	173	149502	50.175	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	292975	50.456	ug/L	99
61) Isopropylbenzene	10.481	105	777248	52.685	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	638045	52.611	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	648276	53.977	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	338684	50.202	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	339437	49.559	ug/L	100
67) 1,2-Dichlorobenzene	12.211	146	364454	51.020	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.992	75	88840	55.628	ug/L	96
69) 1,3,5-Trichlorobenzene	13.218	180	230130	48.754	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	191475	49.569	ug/L	99
71) Naphthalene	14.086	128	796169	53.629	ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	221028	51.125	ug/L	99

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

