

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092022\
 Data File : VU050870.D
 Acq On : 21 Sep 2022 06:56
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050088

Quant Time: Sep 21 07:10:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 21 04:30:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	469223	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	455916	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	220306	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	224709	46.223	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.440%
7) Chloroethane-d5	1.906	69	176998	51.121	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.240%
11) 1,1-Dichloroethene-d2	2.568	63	357400	47.247	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.500%
21) 2-Butanone-d5	4.620	46	354193	112.852	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.850%
24) Chloroform-d	5.060	84	368262	48.337	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.680%
26) 1,2-Dichloroethane-d4	5.700	65	228630	48.695	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.400%
32) Benzene-d6	5.726	84	741406	49.371	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.740%
36) 1,2-Dichloropropane-d6	6.690	67	246598	48.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.300%
41) Toluene-d8	7.896	98	659425	50.236	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.480%
43) trans-1,3-Dichloroprop...	8.176	79	100635	45.637	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.280%
47) 2-Hexanone-d5	8.632	63	219341	105.004	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.000%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	371083	48.018	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.040%
66) 1,2-Dichlorobenzene-d4	12.192	152	226903	49.191	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	227232	46.769	ug/L	99
3) Chloromethane	1.520	50	265108	46.935	ug/L	100
5) Vinyl chloride	1.604	62	263203	47.597	ug/L	98
6) Bromomethane	1.851	94	137099	49.076	ug/L	96
8) Chloroethane	1.929	64	158044	51.620	ug/L	99
9) Trichlorofluoromethane	2.138	101	296878	49.495	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	183076	47.686	ug/L	99
12) 1,1-Dichloroethene	2.578	96	176047	48.803	ug/L	97
13) Acetone	2.629	43	243284	91.545	ug/L	99
14) Carbon disulfide	2.790	76	548674	48.100	ug/L	99
15) Methyl Acetate	2.948	43	259401	51.723	ug/L	99
16) Methylene chloride	3.044	84	229372	45.794	ug/L	99
17) trans-1,2-Dichloroethene	3.353	96	183051	49.509	ug/L	99
18) Methyl tert-butyl Ether	3.363	73	569626	50.538	ug/L	100
19) 1,1-Dichloroethane	3.867	63	368317	49.301	ug/L	97
20) cis-1,2-Dichloroethene	4.665	96	216276	52.757	ug/L	99
22) 2-Butanone	4.700	43	390516	111.481	ug/L	100
23) Bromochloromethane	4.973	128	106117	49.390	ug/L	94
25) Chloroform	5.086	83	371836	49.942	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	283111	50.036	ug/L	99
29) Cyclohexane	5.388	56	315681	50.314	ug/L	99
30) 1,1,1-Trichloroethane	5.314	97	306557	50.542	ug/L	98
31) Carbon tetrachloride	5.523	117	251110	49.836	ug/L	99
33) Benzene	5.771	78	846610	50.458	ug/L	100
34) Trichloroethene	6.539	95	196245	50.353	ug/L	99
35) Methylcyclohexane	6.764	83	309363	49.264	ug/L	99
37) 1,2-Dichloropropane	6.790	63	230061	50.109	ug/L	99
38) Bromodichloromethane	7.105	83	273168	49.937	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	287084	46.727	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	703633	111.204	ug/L	100
42) Toluene	7.967	91	879438	52.799	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	272827	46.681	ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	212559	50.238	ug/L	98
46) Tetrachloroethene	8.552	164	138304	49.381	ug/L	100
48) 2-Hexanone	8.681	43	586530	110.935	ug/L	99
49) Dibromochloromethane	8.809	129	209502	50.499	ug/L	99
50) 1,2-Dibromoethane	8.922	107	222073	50.588	ug/L	99
51) Chlorobenzene	9.446	112	509922	50.146	ug/L	98
52) Ethylbenzene	9.568	91	854762	51.441	ug/L	99
53) m,p-Xylene	9.690	106	327095	52.948	ug/L	98
54) o-Xylene	10.099	106	324601	52.735	ug/L	99
55) Styrene	10.111	104	569696	53.983	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.780	83	380310	48.577	ug/L	100
59) Bromoform	10.288	173	154722	48.658	ug/L	98
60) 1,2,3-Trichloropropane	10.822	75	305158	49.245	ug/L	99
61) Isopropylbenzene	10.481	105	817980	51.955	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	678496	52.424	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	684012	53.367	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	357657	49.677	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	357448	48.903	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	376574	49.398	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	90354	53.015	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	241269	47.896	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	201682	48.924	ug/L	99
71) Naphthalene	14.086	128	814060	51.383	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	231827	50.247	ug/L	99

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

