

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040270.D
 Acq On : 24 Sep 2020 13:59
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050208

Quant Time: Sep 25 09:42:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:34:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	420363	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	409553	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	211725	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	158651	45.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.76%
7) Chloroethane-d5	1.92	69	118576	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	2.58	63	316359	46.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.14%
21) 2-Butanone-d5	4.64	46	315810	106.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.63%
24) Chloroform-d	5.08	84	289618	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.72	65	202543	46.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.22%
32) Benzene-d6	5.74	84	549316	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
36) 1,2-Dichloropropane-d6	6.70	67	180452	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.92%
41) Toluene-d8	7.90	98	503574	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	8.19	79	94463	47.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.64%
47) 2-Hexanone-d5	8.64	63	193767	111.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.39%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	267330	48.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.22%
66) 1,2-Dichlorobenzene-d4	12.19	152	195215	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	146162	48.833	ug/L	99
3) Chloromethane	1.53	50	163941	45.246	ug/L	98
5) Vinyl chloride	1.61	62	168035	46.461	ug/L	99
6) Bromomethane	1.86	94	75953	40.653	ug/L	100
8) Chloroethane	1.94	64	107277	46.192	ug/L	98
9) Trichlorofluoromethane	2.15	101	236006	47.066	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	152279	47.706	ug/L	99
12) 1,1-Dichloroethene	2.59	96	138424	46.433	ug/L	95
13) Acetone	2.64	43	335796	106.697	ug/L	98
14) Carbon disulfide	2.81	76	442397	46.629	ug/L	100
15) Methyl Acetate	2.96	43	238685	50.588	ug/L	99
16) Methylene chloride	3.06	84	162632	46.036	ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	144863	46.969	ug/L	99
18) Methyl tert-butyl Ether	3.38	73	487144	48.008	ug/L	99
19) 1,1-Dichloroethane	3.89	63	301936	46.698	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	161555	47.869	ug/L	98
22) 2-Butanone	4.72	43	404032	108.212	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	80936	45.736	ug/L	99
25) Chloroform	5.10	83	302134	46.256	ug/L	98
27) 1,2-Dichloroethane	5.81	62	251064	45.446	ug/L	99
29) Cyclohexane	5.40	56	278092	49.122	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	253975	47.322	ug/L	99
31) Carbon tetrachloride	5.54	117	220455	47.521	ug/L	99
33) Benzene	5.79	78	643775	47.587	ug/L	100
34) Trichloroethene	6.55	95	163816	47.275	ug/L	98
35) Methylcyclohexane	6.77	83	265965	49.940	ug/L	99
37) 1,2-Dichloropropane	6.80	63	178555	46.920	ug/L	100
38) Bromodichloromethane	7.11	83	224294	46.459	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	265908	48.481	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	633290	102.470	ug/L	99
42) Toluene	7.98	91	664169	48.549	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	262315	47.291	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	155714	47.117	ug/L	98
46) Tetrachloroethene	8.56	164	117157	48.261	ug/L	97
48) 2-Hexanone	8.69	43	536651	108.431	ug/L	99
49) Dibromochloromethane	8.81	129	169509	46.792	ug/L	99
50) 1,2-Dibromoethane	8.93	107	167136	47.117	ug/L	99
51) Chlorobenzene	9.45	112	416516	46.171	ug/L	100
52) Ethylbenzene	9.57	91	744743	48.877	ug/L	98
53) m,p-Xylene	9.69	106	276191	49.862	ug/L	99
54) o-xylene	10.10	106	264829	48.946	ug/L	95
55) Styrene	10.11	104	460153	49.704	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	272282	46.836	ug/L	99
59) Bromoform	10.29	173	120730	46.688	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	232922	46.477	ug/L	98
61) Isopropylbenzene	10.48	105	706427	48.169	ug/L	100
62) 1,3,5-Trimethylbenzene	11.09	105	595398	49.697	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	616755	50.794	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	332220	47.877	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	335875	46.586	ug/L	100
67) 1,2-Dichlorobenzene	12.20	146	325865	47.152	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	72505	51.318	ug/L	98
69) 1,3,5-Trichlorobenzene	13.21	180	230569	50.986	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	202000	51.729	ug/L	99
71) Naphthalene	14.08	128	678283	56.105	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	199318	51.751	ug/L	97

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

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