

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121620\
 Data File : VU041664.D
 Acq On : 16 Dec 2020 12:43
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050201

Quant Time: Dec 17 04:09:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 03:56:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	303298	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	263401	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	131834	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	99878	44.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.12%
7) Chloroethane-d5	1.92	69	80327	42.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.52%
11) 1,1-Dichloroethene-d2	2.58	63	195990	48.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.70%
21) 2-Butanone-d5	4.64	46	175065	101.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.39%
24) Chloroform-d	5.08	84	186213	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.71	65	114000	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
32) Benzene-d6	5.74	84	385904	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
36) 1,2-Dichloropropane-d6	6.70	67	115918	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.14%
41) Toluene-d8	7.90	98	348748	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%
43) trans-1,3-Dichloropropene-	8.18	79	60569	49.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.38%
47) 2-Hexanone-d5	8.64	63	138501	107.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.52%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	175003	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
66) 1,2-Dichlorobenzene-d4	12.19	152	132460	48.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	105480	41.729	ug/L 100
3) Chloromethane	1.53	50	91129	39.550	ug/L 99
5) Vinyl chloride	1.61	62	103347	40.257	ug/L 98
6) Bromomethane	1.86	94	77851	41.108	ug/L 100
8) Chloroethane	1.94	64	65825	38.352	ug/L 99
9) Trichlorofluoromethane	2.15	101	154918	41.177	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	94086	46.159	ug/L 99
12) 1,1-Dichloroethene	2.59	96	89170	45.803	ug/L 97
13) Acetone	2.64	43	126175	97.835	ug/L 99
14) Carbon disulfide	2.80	76	280528	44.914	ug/L 100
15) Methyl Acetate	2.96	43	110363	44.948	ug/L 98
16) Methylene chloride	3.06	84	98143	44.099	ug/L 97
17) trans-1,2-Dichloroethene	3.37	96	93380	46.266	ug/L 97
18) Methyl tert-butyl Ether	3.38	73	276332	44.112	ug/L 99
19) 1,1-Dichloroethane	3.88	63	157617	42.752	ug/L 99
20) cis-1,2-Dichloroethene	4.68	96	103165	46.668	ug/L 97
22) 2-Butanone	4.72	43	173615	93.561	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	55485	46.805	ug/L	93
25) Chloroform	5.10	83	168345	43.311	ug/L	98
27) 1,2-Dichloroethane	5.80	62	125888	41.506	ug/L	96
29) Cyclohexane	5.40	56	144772	47.789	ug/L	96
30) 1,1,1-Trichloroethane	5.33	97	146361	44.772	ug/L	99
31) Carbon tetrachloride	5.54	117	128413	45.019	ug/L	98
33) Benzene	5.78	78	386619	46.426	ug/L	100
34) Trichloroethene	6.55	95	100205	46.442	ug/L	97
35) Methylcyclohexane	6.77	83	162932	47.629	ug/L	100
37) 1,2-Dichloropropane	6.80	63	96266	46.018	ug/L	100
38) Bromodichloromethane	7.11	83	124564	43.980	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	146283	43.876	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	298406	97.151	ug/L	98
42) Toluene	7.97	91	396060	45.043	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	147446	45.633	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	92576	43.743	ug/L	99
46) Tetrachloroethene	8.56	164	74027	44.206	ug/L	98
48) 2-Hexanone	8.69	43	255114	102.223	ug/L	97
49) Dibromochloromethane	8.81	129	99908	43.596	ug/L	99
50) 1,2-Dibromoethane	8.92	107	100720	45.589	ug/L	97
51) Chlorobenzene	9.45	112	250281	44.565	ug/L	99
52) Ethylbenzene	9.57	91	427307	46.174	ug/L	99
53) m,p-Xylene	9.69	106	166119	46.716	ug/L	98
54) o-xylene	10.10	106	162106	46.695	ug/L	99
55) Styrene	10.11	104	276077	46.754	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.78	83	164806	45.297	ug/L	98
59) Bromoform	10.29	173	76662	43.640	ug/L	98
60) 1,2,3-Trichloropropane	10.82	75	134952	44.729	ug/L	99
61) Isopropylbenzene	10.48	105	425270	47.029	ug/L	100
62) 1,3,5-Trimethylbenzene	11.08	105	357786	47.599	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	363522	47.737	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	195347	45.104	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	194499	44.547	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	197088	44.132	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	43456	46.126	ug/L	99
69) 1,3,5-Trichlorobenzene	13.21	180	141983	45.568	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	116260	46.488	ug/L	99
71) Naphthalene	14.07	128	399460	49.201	ug/L	100
72) 1,2,3-Trichlorobenzene	14.31	180	114381	45.319	ug/L	98

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

