

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071219\
 Data File : VU033242.D
 Acq On : 12 Jul 2019 23:31
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Jul 13 00:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 00:05:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	317467	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	314351	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	161815	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	106297	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.46%
7) Chloroethane-d5	1.67	69	93942	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.52%
11) 1,1-Dichloroethene-d2	2.26	63	193831	44.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.94%
21) 2-Butanone-d5	4.15	46	162708	106.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.85%
24) Chloroform-d	4.62	84	192087	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
26) 1,2-Dichloroethane-d4	5.28	65	122722	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.02%
32) Benzene-d6	5.32	84	378416	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
36) 1,2-Dichloropropane-d6	6.31	67	121379	49.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.28%
41) Toluene-d8	7.55	98	359199	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%
43) trans-1,3-Dichloropropene-	7.83	79	59906	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
47) 2-Hexanone-d5	8.29	63	124255	111.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.58%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	192362	51.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.90%
64) 1,2-Dichlorobenzene-d4	11.85	152	141026	48.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	150216	47.747 ug/L	99
3) Chloromethane	1.32	50	149651	48.284 ug/L	100
5) Vinyl chloride	1.40	62	171265	47.807 ug/L	100
6) Bromomethane	1.61	94	107702	48.225 ug/L	99
8) Chloroethane	1.68	64	103656	47.837 ug/L	99
9) Trichlorofluoromethane	1.87	101	224919	47.746 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	103271	47.683 ug/L	99
12) 1,1-Dichloroethene	2.27	96	101226	47.771 ug/L	92
13) Acetone	2.31	43	129534	68.085 ug/L	99
14) Carbon disulfide	2.46	76	303379	46.813 ug/L	99
15) Methyl Acetate	2.60	43	129201	52.003 ug/L	99
16) Methylene chloride	2.68	84	117570	48.595 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	106520	48.639 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	338186	50.029 ug/L	100
19) 1,1-Dichloroethane	3.42	63	210052	49.897 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	123680	50.068 ug/L	97
22) 2-Butanone	4.23	43	189519	89.670 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	63662	50.329	ug/L	98
25) Chloroform	4.65	83	218180	48.731	ug/L	99
27) 1,2-Dichloroethane	5.38	62	174411	50.306	ug/L	100
29) Cyclohexane	4.97	56	176544	51.541	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	184911	50.420	ug/L	99
31) Carbon tetrachloride	5.11	117	162287	50.566	ug/L	99
33) Benzene	5.37	78	471846	51.470	ug/L	100
34) Trichloroethene	6.16	95	120292	50.174	ug/L	98
35) Methylcyclohexane	6.40	83	187667	51.099	ug/L	98
37) 1,2-Dichloropropane	6.41	63	126356	50.824	ug/L	100
38) Bromodichloromethane	6.74	83	162381	50.634	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	191887	50.339	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	361981	108.536	ug/L	98
42) Toluene	7.62	91	513684	51.975	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	175099	50.935	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	119877	50.983	ug/L	99
46) Tetrachloroethene	8.21	164	92073	49.609	ug/L	99
48) 2-Hexanone	8.34	43	286176	105.325	ug/L	100
49) Dibromochloromethane	8.46	129	132267	50.428	ug/L	98
50) 1,2-Dibromoethane	8.57	107	131392	51.251	ug/L	97
51) Chlorobenzene	9.10	112	326497	50.612	ug/L	98
52) Ethylbenzene	9.23	91	551593	52.156	ug/L	99
53) m,p-Xylene	9.36	106	211256	52.737	ug/L	99
54) o-xylene	9.76	106	207558	52.182	ug/L	97
55) Styrene	9.77	104	360753	53.496	ug/L	99
56) Isopropylbenzene	10.15	105	540557	52.813	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	212991	51.570	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	166364	51.401	ug/L	100
61) Bromoform	9.94	173	100024	50.613	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	245641	49.315	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	257007	49.348	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	253423	49.608	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	48171	49.406	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	180653	50.184	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	159851	50.838	ug/L	98
69) Naphthalene	13.73	128	563228	55.866	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	172334	50.484	ug/L	100

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

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