

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060719\
 Data File : VU032539.D
 Acq On : 07 Jun 2019 13:44
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: Jun 07 22:23:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 22:19:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	215467	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	200690	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	110251	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56037	40.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.18%
7) Chloroethane-d5	1.67	69	47414	42.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.42%
11) 1,1-Dichloroethene-d2	2.27	63	119083	43.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.02%
21) 2-Butanone-d5	4.17	46	110709	94.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.63%
24) Chloroform-d	4.64	84	121330	46.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.08%
26) 1,2-Dichloroethane-d4	5.30	65	76058	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
32) Benzene-d6	5.33	84	235682	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.48%
36) 1,2-Dichloropropane-d6	6.32	67	75572	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.52%
41) Toluene-d8	7.56	98	220974	44.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.46%
43) trans-1,3-Dichloropropene-	7.85	79	36850	47.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.26%
47) 2-Hexanone-d5	8.31	63	77410	97.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114233	48.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	97898	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	95558	49.194	ug/L 99
3) Chloromethane	1.32	50	87107	46.408	ug/L 100
5) Vinyl chloride	1.40	62	88766	47.342	ug/L 97
6) Bromomethane	1.62	94	44369	39.709	ug/L 99
8) Chloroethane	1.69	64	51213	45.952	ug/L 98
9) Trichlorofluoromethane	1.88	101	122518	48.391	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	67048	50.920	ug/L 97
12) 1,1-Dichloroethene	2.28	96	63471	49.644	ug/L 90
13) Acetone	2.32	43	112549	93.241	ug/L 99
14) Carbon disulfide	2.47	76	184093	47.389	ug/L 98
15) Methyl Acetate	2.61	43	81808	47.468	ug/L 99
16) Methylene chloride	2.69	84	70591	48.388	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	67430	48.670	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	222171	48.811	ug/L 100
19) 1,1-Dichloroethane	3.44	63	125137	49.546	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	76468	48.769	ug/L 99
22) 2-Butanone	4.25	43	135446	94.940	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38554	47.290	ug/L	94
25) Chloroform	4.67	83	127387	48.875	ug/L	100
27) 1,2-Dichloroethane	5.40	62	101244	49.137	ug/L	99
29) Cyclohexane	4.99	56	119219	49.943	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	112637	49.579	ug/L	98
31) Carbon tetrachloride	5.13	117	101945	48.959	ug/L	98
33) Benzene	5.38	78	280177	49.688	ug/L	100
34) Trichloroethene	6.18	95	74061	48.277	ug/L	99
35) Methylcyclohexane	6.41	83	125341	50.469	ug/L	99
37) 1,2-Dichloropropane	6.42	63	74011	49.514	ug/L	100
38) Bromodichloromethane	6.75	83	95800	49.774	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	120857	51.246	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	237315	98.687	ug/L	100
42) Toluene	7.63	91	305775	49.515	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	107889	51.541	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	69774	49.362	ug/L	97
46) Tetrachloroethene	8.22	164	63820	50.370	ug/L	98
48) 2-Hexanone	8.36	43	194180	98.314	ug/L	99
49) Dibromochloromethane	8.47	129	82076	49.956	ug/L	100
50) 1,2-Dibromoethane	8.58	107	78823	49.542	ug/L	97
51) Chlorobenzene	9.11	112	198626	49.924	ug/L	100
52) Ethylbenzene	9.24	91	344358	50.027	ug/L	100
53) m,p-Xylene	9.37	106	130100	49.705	ug/L	99
54) o-xylene	9.77	106	128655	49.505	ug/L	97
55) Styrene	9.79	104	218038	50.256	ug/L	99
56) Isopropylbenzene	10.16	105	341415	49.822	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	120524	49.889	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	96598	49.712	ug/L	99
61) Bromoform	9.95	173	62884	47.839	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	165541	49.629	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	163980	48.086	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	164822	48.875	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	28168	49.646	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	132183	50.935	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	119939	54.554	ug/L	99
69) Naphthalene	13.74	128	357243	51.515	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	123291	53.884	ug/L	98

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

