

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032516.D
 Acq On : 06 Jun 2019 23:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Quant Time: Jun 07 05:54:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 05:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	206520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194263	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57361	42.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.62%
7) Chloroethane-d5	1.67	69	48521	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.12%
11) 1,1-Dichloroethene-d2	2.27	63	117957	44.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.92%
21) 2-Butanone-d5	4.17	46	118503	105.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.68%
24) Chloroform-d	4.64	84	119847	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	5.30	65	76723	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
32) Benzene-d6	5.33	84	238309	47.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.50%
36) 1,2-Dichloropropane-d6	6.32	67	75764	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.82%
41) Toluene-d8	7.56	98	224938	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%
43) trans-1,3-Dichloropropene-	7.85	79	36186	47.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.64%
47) 2-Hexanone-d5	8.31	63	79781	104.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.01%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	114756	50.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	97239	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	91114	48.938	ug/L 100
3) Chloromethane	1.32	50	86293	47.966	ug/L 99
5) Vinyl chloride	1.40	62	86223	47.978	ug/L 99
6) Bromomethane	1.62	94	49122	45.867	ug/L 97
8) Chloroethane	1.69	64	48977	45.849	ug/L 100
9) Trichlorofluoromethane	1.88	101	117460	48.403	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	61363	48.621	ug/L 97
12) 1,1-Dichloroethene	2.28	96	60145	49.081	ug/L 88
13) Acetone	2.32	43	84162	72.744	ug/L 99
14) Carbon disulfide	2.47	76	179069	48.093	ug/L 99
15) Methyl Acetate	2.61	43	83473	50.532	ug/L 98
16) Methylene chloride	2.69	84	68718	49.145	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	64538	48.600	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	213957	49.043	ug/L 99
19) 1,1-Dichloroethane	3.44	63	120432	49.748	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	73077	48.625	ug/L 95
22) 2-Butanone	4.25	43	126326	92.384	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	38567	49.355	ug/L	97
25) Chloroform	4.67	83	123779	49.548	ug/L	98
27) 1,2-Dichloroethane	5.40	62	99429	50.347	ug/L	100
29) Cyclohexane	4.99	56	111444	48.231	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	108578	49.373	ug/L	98
31) Carbon tetrachloride	5.13	117	99452	49.342	ug/L	99
33) Benzene	5.38	78	269492	49.374	ug/L	100
34) Trichloroethene	6.18	95	72015	48.496	ug/L	99
35) Methylcyclohexane	6.41	83	115271	47.950	ug/L	99
37) 1,2-Dichloropropane	6.43	63	71610	49.493	ug/L	99
38) Bromodichloromethane	6.75	83	92057	49.412	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	114121	49.990	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	240332	103.249	ug/L	99
42) Toluene	7.63	91	295937	49.508	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	100493	49.596	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	68907	50.362	ug/L	98
46) Tetrachloroethene	8.22	164	60549	49.369	ug/L	98
48) 2-Hexanone	8.36	43	191766	100.304	ug/L	99
49) Dibromochloromethane	8.47	129	79944	50.268	ug/L	97
50) 1,2-Dibromoethane	8.58	107	76901	49.933	ug/L	99
51) Chlorobenzene	9.11	112	193413	50.222	ug/L	100
52) Ethylbenzene	9.24	91	330162	49.552	ug/L	99
53) m,p-Xylene	9.37	106	124670	49.206	ug/L	100
54) o-xylene	9.77	106	125496	49.888	ug/L	99
55) Styrene	9.79	104	213042	50.729	ug/L	99
56) Isopropylbenzene	10.16	105	330594	49.838	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	119903	51.274	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	96405	51.254	ug/L	100
61) Bromoform	9.95	173	62931	49.662	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	158359	49.248	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	158756	48.292	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	161918	49.806	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	28814	52.679	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	125997	50.363	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	115292	54.397	ug/L	99
69) Naphthalene	13.74	128	366579	54.834	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	118377	53.667	ug/L	99

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

