

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052119\
 Data File : VU032184.D
 Acq On : 21 May 2019 08:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: May 21 09:32:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 16 04:24:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	807461	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	825463	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	414780	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	251807	35.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.08%
7) Chloroethane-d5	1.67	69	222404	38.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.54%
11) 1,1-Dichloroethene-d2	2.27	63	484678	38.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.32%
21) 2-Butanone-d5	4.17	46	297521	59.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	59.96%
24) Chloroform-d	4.64	84	498268	42.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.02%
26) 1,2-Dichloroethane-d4	5.30	65	289455	38.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.50%
32) Benzene-d6	5.33	84	1025133	42.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.32	67	293083	37.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	74.34%
41) Toluene-d8	7.56	98	1000878	46.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.50%
43) trans-1,3-Dichloropropene-	7.84	79	142596	40.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.98%
47) 2-Hexanone-d5	8.31	63	258796	80.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	465688	39.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	79.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	404379	46.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.66%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	328572	44.199	ug/L	98
3) Chloromethane	1.32	50	269720	32.488	ug/L	95
5) Vinyl chloride	1.40	62	316304	36.369	ug/L	99
6) Bromomethane	1.61	94	214632	46.954	ug/L	96
8) Chloroethane	1.68	64	183677	35.693	ug/L	98
9) Trichlorofluoromethane	1.88	101	447183	45.431	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	276754	46.057	ug/L	91
12) 1,1-Dichloroethene	2.28	96	269848	45.251	ug/L	86
13) Acetone	2.32	43	357437	70.074	ug/L	92
14) Carbon disulfide	2.47	76	775373	40.253	ug/L	100
15) Methyl Acetate	2.61	43	218661	28.232	ug/L #	100
16) Methylene chloride	2.69	84	295222	40.595	ug/L	84
17) trans-1,2-Dichloroethene	2.97	96	271889	43.827	ug/L	87
18) Methyl tert-butyl Ether	2.99	73	782219	41.034	ug/L	94
19) 1,1-Dichloroethane	3.44	63	461051	37.847	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	308143	44.906	ug/L	83
22) 2-Butanone	4.26	43	373645	63.508	ug/L	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.54	128	164538	48.924	ug/L #	75
25) Chloroform	4.67	83	511499	42.486	ug/L	97
27) 1,2-Dichloroethane	5.40	62	363710	39.032	ug/L	96
29) Cyclohexane	4.99	56	392094	38.751	ug/L #	83
30) 1,1,1-Trichloroethane	4.91	97	426192	44.527	ug/L	96
31) Carbon tetrachloride	5.13	117	379941	47.581	ug/L	99
33) Benzene	5.38	78	1139582	42.146	ug/L	100
34) Trichloroethene	6.18	95	300712	44.908	ug/L	89
35) Methylcyclohexane	6.41	83	482715	47.012	ug/L	89
37) 1,2-Dichloropropane	6.42	63	266589	36.709	ug/L #	95
38) Bromodichloromethane	6.75	83	384709	43.350	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	433273	42.021	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	601588	61.053	ug/L #	88
42) Toluene	7.63	91	1301245	46.897	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	385758	42.601	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	289274	43.440	ug/L	96
46) Tetrachloroethene	8.22	164	260157	55.029	ug/L	93
48) 2-Hexanone	8.36	43	528068	66.029	ug/L #	88
49) Dibromochloromethane	8.47	129	320064	47.916	ug/L	100
50) 1,2-Dibromoethane	8.58	107	315134	44.719	ug/L	100
51) Chlorobenzene	9.11	112	829407	47.080	ug/L	94
52) Ethylbenzene	9.24	91	1381207	46.518	ug/L	97
53) m,p-Xylene	9.37	106	561486	51.818	ug/L	96
54) o-xylene	9.77	106	545726	51.007	ug/L	91
55) Styrene	9.79	104	965301	52.560	ug/L	94
56) Isopropylbenzene	10.16	105	1406554	51.310	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	478360	39.798	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	373104	39.387	ug/L	99
61) Bromoform	9.95	173	239944	43.344	ug/L #	96
62) 1,3-Dichlorobenzene	11.41	146	662471	48.816	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	688871	47.990	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	696686	48.445	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	98447	35.435	ug/L	87
67) 1,3,5-Trichlorobenzene	12.88	180	514844	52.900	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	417368	55.678	ug/L	99
69) Naphthalene	13.74	128	1252101	50.168	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	457454	56.060	ug/L	99

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

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