

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032498.D
 Acq On : 06 Jun 2019 15:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: Jun 07 05:49:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 05:44:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	208782	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	201443	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107331	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58809	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.82%
7) Chloroethane-d5	1.67	69	49765	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.44%
11) 1,1-Dichloroethene-d2	2.27	63	124204	46.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.66%
21) 2-Butanone-d5	4.17	46	111216	98.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.11%
24) Chloroform-d	4.64	84	120923	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
26) 1,2-Dichloroethane-d4	5.30	65	76735	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.44%
32) Benzene-d6	5.33	84	242727	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
36) 1,2-Dichloropropane-d6	6.32	67	77305	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.56	98	227464	45.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.74%
43) trans-1,3-Dichloropropene-	7.85	79	37712	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.12%
47) 2-Hexanone-d5	8.31	63	74886	94.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.15%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	115379	48.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	99964	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	92104	48.934	ug/L 99
3) Chloromethane	1.32	50	88091	48.435	ug/L 100
5) Vinyl chloride	1.40	62	85706	47.174	ug/L 98
6) Bromomethane	1.62	94	52285	48.292	ug/L 98
8) Chloroethane	1.69	64	50933	47.164	ug/L 99
9) Trichlorofluoromethane	1.88	101	119602	48.752	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	62804	49.224	ug/L 99
12) 1,1-Dichloroethene	2.28	96	61179	49.384	ug/L 82
13) Acetone	2.32	43	103148	88.188	ug/L 100
14) Carbon disulfide	2.47	76	180436	47.935	ug/L 99
15) Methyl Acetate	2.61	43	82041	49.127	ug/L 100
16) Methylene chloride	2.69	84	70398	49.801	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	66442	49.492	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	218822	49.615	ug/L 100
19) 1,1-Dichloroethane	3.44	63	122205	49.934	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	75194	49.492	ug/L 96
22) 2-Butanone	4.25	43	130559	94.445	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39156	49.566	uq/L	99
25) Chloroform	4.67	83	126262	49.995	uq/L	99
27) 1,2-Dichloroethane	5.40	62	99137	49.655	uq/L	99
29) Cyclohexane	4.99	56	114533	47.801	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	110395	48.410	uq/L	98
31) Carbon tetrachloride	5.13	117	101061	48.353	uq/L	99
33) Benzene	5.38	78	275032	48.593	uq/L	100
34) Trichloroethene	6.18	95	73234	47.559	uq/L	99
35) Methylcyclohexane	6.41	83	119845	48.076	uq/L	99
37) 1,2-Dichloropropane	6.43	63	74034	49.344	uq/L	100
38) Bromodichloromethane	6.75	83	92949	48.113	uq/L	99
39) cis-1,3-Dichloropropene	7.26	75	118845	50.204	uq/L	100
40) 4-Methyl-2-pentanone	7.45	43	237928	98.573	uq/L	99
42) Toluene	7.63	91	301328	48.613	uq/L	99
44) trans-1,3-Dichloropropene	7.87	75	104128	49.558	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	69689	49.118	uq/L	99
46) Tetrachloroethene	8.22	164	62668	49.275	uq/L	99
48) 2-Hexanone	8.36	43	194986	98.353	uq/L	99
49) Dibromochloromethane	8.47	129	82588	50.080	uq/L	99
50) 1,2-Dibromoethane	8.58	107	78174	48.951	uq/L	99
51) Chlorobenzene	9.11	112	202186	50.629	uq/L	99
52) Ethylbenzene	9.24	91	339243	49.100	uq/L	99
53) m,p-Xylene	9.37	106	128045	48.737	uq/L	99
54) o-xylene	9.77	106	127062	48.710	uq/L	99
55) Styrene	9.79	104	217892	50.035	uq/L	98
56) Isopropylbenzene	10.16	105	336139	48.868	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	119997	49.485	uq/L	98
59) 1,2,3-Trichloropropane	10.49	75	94627	48.516	uq/L	99
61) Bromoform	9.95	173	63420	49.560	uq/L	98
62) 1,3-Dichlorobenzene	11.41	146	164089	50.532	uq/L	100
63) 1,4-Dichlorobenzene	11.50	146	168869	50.867	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	169868	51.742	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	28085	50.846	uq/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	130496	51.653	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	120311	56.212	uq/L	99
69) Naphthalene	13.74	128	363725	53.877	uq/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	120460	54.079	uq/L	99

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

