

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
 Data File : VU032806.D
 Acq On : 18 Jun 2019 00:41
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Jun 18 02:46:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	226551	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	220851	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	119673	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66457	42.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.84%
7) Chloroethane-d5	1.67	69	54485	44.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.24%
11) 1,1-Dichloroethene-d2	2.27	63	139718	44.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.58%
21) 2-Butanone-d5	4.17	46	129067	100.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.15%
24) Chloroform-d	4.64	84	141142	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.78%
26) 1,2-Dichloroethane-d4	5.30	65	94330	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.10%
32) Benzene-d6	5.33	84	266185	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
36) 1,2-Dichloropropane-d6	6.32	67	85692	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.44%
41) Toluene-d8	7.56	98	248334	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%
43) trans-1,3-Dichloropropene-	7.84	79	43199	45.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.56%
47) 2-Hexanone-d5	8.31	63	85910	100.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	135179	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	108114	46.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	107397	46.930	ug/L 99
3) Chloromethane	1.32	50	97474	46.995	ug/L 99
5) Vinyl chloride	1.40	62	97284	47.288	ug/L 99
6) Bromomethane	1.62	94	56809	46.927	ug/L 96
8) Chloroethane	1.69	64	56624	47.815	ug/L 98
9) Trichlorofluoromethane	1.88	101	136536	47.306	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	69491	45.902	ug/L 99
12) 1,1-Dichloroethene	2.28	96	67383	47.231	ug/L 96
13) Acetone	2.32	43	100082	56.228	ug/L 99
14) Carbon disulfide	2.47	76	207596	45.986	ug/L 99
15) Methyl Acetate	2.61	43	100328	49.725	ug/L 99
16) Methylene chloride	2.69	84	79790	47.662	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	74143	47.924	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	245544	49.434	ug/L 100
19) 1,1-Dichloroethane	3.44	63	142825	48.424	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	84999	50.433	ug/L 97
22) 2-Butanone	4.25	43	146599	79.463	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	43165	49.094	ug/L	98
25) Chloroform	4.67	83	146129	48.043	ug/L	98
27) 1,2-Dichloroethane	5.40	62	124016	49.632	ug/L	99
29) Cyclohexane	4.99	56	125398	48.627	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	127611	47.427	ug/L	98
31) Carbon tetrachloride	5.13	117	115058	46.996	ug/L	98
33) Benzene	5.38	78	310607	48.821	ug/L	100
34) Trichloroethene	6.18	95	82178	48.343	ug/L	98
35) Methylcyclohexane	6.41	83	126252	48.049	ug/L	99
37) 1,2-Dichloropropane	6.42	63	85448	48.962	ug/L	100
38) Bromodichloromethane	6.75	83	112318	47.863	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	132958	48.901	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	279136	100.183	ug/L	99
42) Toluene	7.63	91	340270	49.432	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	120336	47.121	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	79556	48.977	ug/L	99
46) Tetrachloroethene	8.22	164	68320	49.048	ug/L	97
48) 2-Hexanone	8.36	43	220038	89.507	ug/L	99
49) Dibromochloromethane	8.47	129	91838	46.899	ug/L	98
50) 1,2-Dibromoethane	8.58	107	89394	49.555	ug/L	99
51) Chlorobenzene	9.11	112	220624	48.706	ug/L	100
52) Ethylbenzene	9.24	91	379308	49.782	ug/L	100
53) m,p-Xylene	9.37	106	141197	49.116	ug/L	99
54) o-xylene	9.77	106	140540	50.061	ug/L	98
55) Styrene	9.79	104	244759	50.255	ug/L	97
56) Isopropylbenzene	10.16	105	376465	49.759	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	143805	48.925	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	114805	49.294	ug/L	99
61) Bromoform	9.95	173	70795	45.305	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	181281	48.734	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	185489	48.278	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	184740	48.640	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	34761	47.972	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	144487	48.342	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	132316	51.448	ug/L	99
69) Naphthalene	13.74	128	429627	54.332	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	136865	50.270	ug/L	100

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

