

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
 Data File : VU030446.D
 Acq On : 26 Mar 2019 15:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: Mar 27 04:35:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 27 04:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	414591	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	399456	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	184865	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	184078	55.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.34%
7) Chloroethane-d5	1.67	69	146432	55.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.74%
11) 1,1-Dichloroethene-d2	2.27	63	340118	53.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.48%
21) 2-Butanone-d5	4.17	46	348038	110.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.96%
24) Chloroform-d	4.64	84	316645	55.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.16%
26) 1,2-Dichloroethane-d4	5.31	65	203555	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.22%
32) Benzene-d6	5.34	84	620339	54.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.30%
36) 1,2-Dichloropropane-d6	6.33	67	216435	55.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.44%
41) Toluene-d8	7.56	98	550039	53.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.92%
43) trans-1,3-Dichloropropene-	7.85	79	98397	53.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.78%
47) 2-Hexanone-d5	8.31	63	234205	110.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303783	54.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.34%
64) 1,2-Dichlorobenzene-d4	11.85	152	196443	53.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	233330	51.008	ug/L 100
3) Chloromethane	1.33	50	266983	52.186	ug/L 100
5) Vinyl chloride	1.40	62	253931	52.342	ug/L 100
6) Bromomethane	1.61	94	97580	43.846	ug/L 96
8) Chloroethane	1.69	64	150305	54.879	ug/L 97
9) Trichlorofluoromethane	1.88	101	285346	53.937	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	156545	51.736	ug/L 97
12) 1,1-Dichloroethene	2.28	96	153951	51.900	ug/L 94
13) Acetone	2.32	43	288651	91.000	ug/L 100
14) Carbon disulfide	2.47	76	490128	49.973	ug/L 99
15) Methyl Acetate	2.61	43	261320	53.803	ug/L # 100
16) Methylene chloride	2.70	84	188916	54.025	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	159603	51.286	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	553404	53.774	ug/L 99
19) 1,1-Dichloroethane	3.44	63	344015	53.881	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	180674	51.767	ug/L 93
22) 2-Butanone	4.26	43	405074	105.653	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	86462	53.300	ug/L	96
25) Chloroform	4.67	83	324106	53.391	ug/L	100
27) 1,2-Dichloroethane	5.40	62	258133	54.191	ug/L	98
29) Cyclohexane	4.99	56	327723	54.214	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	262654	53.700	ug/L	99
31) Carbon tetrachloride	5.13	117	223648	53.946	ug/L	99
33) Benzene	5.39	78	729971	53.683	ug/L	100
34) Trichloroethene	6.18	95	175156	52.398	ug/L	96
35) Methylcyclohexane	6.41	83	287089	52.191	ug/L	99
37) 1,2-Dichloropropane	6.43	63	203053	52.619	ug/L	100
38) Bromodichloromethane	6.75	83	243258	53.053	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	303750	54.763	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	689895	106.435	ug/L	99
42) Toluene	7.63	91	751829	53.275	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	266212	54.547	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	171828	52.699	ug/L	98
46) Tetrachloroethene	8.22	164	124322	53.247	ug/L	97
48) 2-Hexanone	8.36	43	553261	104.144	ug/L	99
49) Dibromochloromethane	8.47	129	181260	53.501	ug/L	100
50) 1,2-Dibromoethane	8.58	107	186079	53.176	ug/L	98
51) Chlorobenzene	9.12	112	457912	53.539	ug/L	99
52) Ethylbenzene	9.25	91	818719	53.555	ug/L	100
53) m,p-Xylene	9.37	106	295087	53.459	ug/L	100
54) o-xylene	9.77	106	292736	54.352	ug/L	98
55) Styrene	9.79	104	504094	54.333	ug/L	99
56) Isopropylbenzene	10.16	105	765064	53.646	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	315325	52.473	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	244765	52.110	ug/L	100
61) Bromoform	9.95	173	130862	53.242	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	317332	52.490	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	338061	54.318	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	337269	55.172	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	69942	51.384	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	229046	50.608	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	241700	61.463	ug/L	100
69) Naphthalene	13.74	128	621217	44.426	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	226893	54.641	ug/L	99

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

