

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032219\
 Data File : VU030334.D
 Acq On : 23 Mar 2019 01:35
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Mar 23 04:43:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 04:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	520909	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	505383	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	259218	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	161667	45.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	136021	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.58%
11) 1,1-Dichloroethene-d2	2.27	63	302773	47.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.24%
21) 2-Butanone-d5	4.17	46	287844	110.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.15%
24) Chloroform-d	4.65	84	321017	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	5.31	65	180885	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
32) Benzene-d6	5.34	84	659212	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.33	67	206971	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.46%
41) Toluene-d8	7.56	98	603755	48.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.42%
43) trans-1,3-Dichloropropene-	7.85	79	95310	47.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.00%
47) 2-Hexanone-d5	8.31	63	229471	107.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	322817	51.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.14%
64) 1,2-Dichlorobenzene-d4	11.86	152	251976	48.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	209489	47.500	ug/L 99
3) Chloromethane	1.33	50	214863	50.331	ug/L 100
5) Vinyl chloride	1.40	62	229379	50.616	ug/L 99
6) Bromomethane	1.62	94	116219	47.390	ug/L 100
8) Chloroethane	1.70	64	137016	51.138	ug/L 96
9) Trichlorofluoromethane	1.88	101	286797	49.834	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	165766	47.369	ug/L 98
12) 1,1-Dichloroethene	2.28	96	174736	50.279	ug/L 97
13) Acetone	2.32	43	192021	70.325	ug/L 99
14) Carbon disulfide	2.48	76	485296	46.753	ug/L 99
15) Methyl Acetate	2.61	43	210023	52.893	ug/L 99
16) Methylene chloride	2.70	84	200767	50.937	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	182646	49.870	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	551892	52.385	ug/L 99
19) 1,1-Dichloroethane	3.44	63	325124	51.611	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	207378	51.681	ug/L 99
22) 2-Butanone	4.26	43	308543	96.145	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	107551	50.079	ug/L	97
25) Chloroform	4.67	83	334384	50.951	ug/L	97
27) 1,2-Dichloroethane	5.40	62	234716	50.458	ug/L	97
29) Cyclohexane	4.99	56	278211	50.665	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	280853	51.565	ug/L	99
31) Carbon tetrachloride	5.13	117	246390	51.099	ug/L	99
33) Benzene	5.39	78	772862	53.005	ug/L	100
34) Trichloroethene	6.18	95	195272	50.810	ug/L	99
35) Methylcyclohexane	6.41	83	292484	48.534	ug/L	99
37) 1,2-Dichloropropane	6.43	63	196854	52.715	ug/L	99
38) Bromodichloromethane	6.75	83	248580	51.773	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	300862	50.216	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	548859	106.943	ug/L	99
42) Toluene	7.63	91	841001	52.991	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	261923	50.521	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	201437	52.550	ug/L	99
46) Tetrachloroethene	8.22	164	161732	49.808	ug/L	99
48) 2-Hexanone	8.36	43	441483	103.642	ug/L	98
49) Dibromochloromethane	8.47	129	219209	50.997	ug/L	98
50) 1,2-Dibromoethane	8.58	107	220732	51.939	ug/L	99
51) Chlorobenzene	9.12	112	542166	51.636	ug/L	99
52) Ethylbenzene	9.25	91	897010	52.045	ug/L	99
53) m,p-Xylene	9.37	106	345460	52.025	ug/L	99
54) o-xylene	9.77	106	344020	52.703	ug/L	99
55) Styrene	9.79	104	589412	53.294	ug/L	100
56) Isopropylbenzene	10.16	105	873078	51.734	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	339458	51.933	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	259617	51.439	ug/L	99
61) Bromoform	9.95	173	170158	50.832	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	416788	50.396	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	424626	49.499	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	429876	50.875	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	71826	50.843	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	312873	48.406	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	276287	48.337	ug/L	99
69) Naphthalene	13.74	128	841725	46.416	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	291447	48.868	ug/L	99

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

