

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
 Data File : VU031263.D
 Acq On : 17 Apr 2019 16:36
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Apr 18 04:50:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 04:13:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	687817	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	589219	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	300752	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	250317	39.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.04%
7) Chloroethane-d5	1.68	69	208223	37.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.72%
11) 1,1-Dichloroethene-d2	2.27	63	468776	37.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.72%
21) 2-Butanone-d5	4.18	46	395713	85.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.77%
24) Chloroform-d	4.64	84	389022	36.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.62%
26) 1,2-Dichloroethane-d4	5.30	65	265404	40.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.56%
32) Benzene-d6	5.34	84	878324	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
36) 1,2-Dichloropropane-d6	6.32	67	317055	52.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.90%
41) Toluene-d8	7.56	98	741946	45.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.54%
43) trans-1,3-Dichloropropene-	7.85	79	129431	44.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.58%
47) 2-Hexanone-d5	8.31	63	286082	100.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.25%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	369507	44.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	303635	44.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	249861	39.357	ug/L 100
3) Chloromethane	1.32	50	263312	34.820	ug/L 100
5) Vinyl chloride	1.40	62	336971	44.770	ug/L 98
6) Bromomethane	1.63	94	199083	40.257	ug/L 100
8) Chloroethane	1.70	64	193817	40.051	ug/L 97
9) Trichlorofluoromethane	1.88	101	412244	39.343	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	220644	40.256	ug/L 96
12) 1,1-Dichloroethene	2.28	96	220764	41.066	ug/L 85
13) Acetone	2.34	43	323880	91.226	ug/L 98
14) Carbon disulfide	2.47	76	585394	40.197	ug/L 99
15) Methyl Acetate	2.62	43	263892	42.722	ug/L 99
16) Methylene chloride	2.70	84	221472	42.220	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	205893	42.035	ug/L 99
18) Methyl tert-butyl Ether	2.99	73	687921	44.603	ug/L 99
19) 1,1-Dichloroethane	3.44	63	403906	41.486	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	238112	41.772	ug/L 91
22) 2-Butanone	4.27	43	426238	87.605	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	116538	41.267	ug/L	95
25) Chloroform	4.67	83	383922	38.447	ug/L	97
27) 1,2-Dichloroethane	5.40	62	334535	44.045	ug/L	99
29) Cyclohexane	4.99	56	373099	45.019	ug/L	94
30) 1,1,1-Trichloroethane	4.91	97	329117	42.212	ug/L	98
31) Carbon tetrachloride	5.13	117	283099	41.967	ug/L	99
33) Benzene	5.39	78	1003343	50.628	ug/L	100
34) Trichloroethene	6.18	95	266093	53.663	ug/L	98
35) Methylcyclohexane	6.41	83	413296	55.985	ug/L	98
37) 1,2-Dichloropropane	6.43	63	285199	54.340	ug/L	99
38) Bromodichloromethane	6.75	83	322039	48.275	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	389852	49.567	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	753985	101.825	ug/L	97
42) Toluene	7.63	91	952690	48.327	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	330378	48.379	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	218168	46.185	ug/L	98
46) Tetrachloroethene	8.22	164	174402	46.762	ug/L	98
48) 2-Hexanone	8.36	43	572289	97.174	ug/L	98
49) Dibromochloromethane	8.47	129	232365	45.510	ug/L	96
50) 1,2-Dibromoethane	8.58	107	236348	47.359	ug/L	98
51) Chlorobenzene	9.12	112	582845	47.306	ug/L	97
52) Ethylbenzene	9.25	91	1025822	47.800	ug/L	98
53) m,p-Xylene	9.37	106	389157	51.385	ug/L	97
54) o-xylene	9.77	106	387604	50.540	ug/L	97
55) Styrene	9.79	104	654276	50.539	ug/L	100
56) Isopropylbenzene	10.16	105	1007658	51.261	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	371837	45.714	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	287180	46.005	ug/L	100
61) Bromoform	9.95	173	174983	42.026	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	466357	46.920	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	474767	47.640	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	470996	45.052	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	88959	44.598	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	366790	49.310	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	339099	56.255	ug/L	98
69) Naphthalene	13.74	128	1674390	88.528	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	347982	53.157	ug/L	98

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

