

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030919\
 Data File : VU029873.D
 Acq On : 08 Mar 2019 00:04
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Mar 08 04:37:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 04:31:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	512422	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	508006	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	267854	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	184743	49.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.40%
7) Chloroethane-d5	1.68	69	148162	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.78%
11) 1,1-Dichloroethene-d2	2.27	63	320085	43.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.22%
21) 2-Butanone-d5	4.17	46	264458	115.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.74%
24) Chloroform-d	4.64	84	318939	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
26) 1,2-Dichloroethane-d4	5.31	65	188406	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
32) Benzene-d6	5.34	84	685558	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.26%
36) 1,2-Dichloropropane-d6	6.33	67	202823	52.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.48%
41) Toluene-d8	7.56	98	648434	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%
43) trans-1,3-Dichloropropene-	7.85	79	94299	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.46%
47) 2-Hexanone-d5	8.31	63	224230	104.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316681	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	273939	47.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	167341	47.628	ug/L 98
3) Chloromethane	1.32	50	170612	55.353	ug/L 98
5) Vinyl chloride	1.40	62	193776	46.291	ug/L 100
6) Bromomethane	1.62	94	119209	62.399	ug/L 100
8) Chloroethane	1.69	64	119536	42.933	ug/L 98
9) Trichlorofluoromethane	1.88	101	259045	38.821	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	159728	44.750	ug/L 100
12) 1,1-Dichloroethene	2.28	96	156776	46.201	ug/L 93
13) Acetone	2.32	43	178989	73.305	ug/L 97
14) Carbon disulfide	2.47	76	428701	48.239	ug/L 99
15) Methyl Acetate	2.61	43	195263	61.611	ug/L 99
16) Methylene chloride	2.70	84	185284	56.428	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	168132	53.682	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	520801	53.710	ug/L 98
19) 1,1-Dichloroethane	3.44	63	299468	55.296	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	194968	53.573	ug/L 99
22) 2-Butanone	4.26	43	274590	98.540	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	102344	51.300	ug/L	93
25) Chloroform	4.67	83	318478	52.707	ug/L	100
27) 1,2-Dichloroethane	5.40	62	230928	49.708	ug/L	96
29) Cyclohexane	4.99	56	250918	49.911	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	265945	49.373	ug/L	100
31) Carbon tetrachloride	5.13	117	224704	46.091	ug/L	100
33) Benzene	5.39	78	703877	54.042	ug/L	100
34) Trichloroethene	6.18	95	182605	52.044	ug/L	97
35) Methylcyclohexane	6.41	83	282442	48.472	ug/L	97
37) 1,2-Dichloropropane	6.43	63	183458	53.658	ug/L	99
38) Bromodichloromethane	6.75	83	228997	49.682	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	276599	50.143	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	523232	108.829	ug/L	98
42) Toluene	7.63	91	768055	49.865	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	250962	48.274	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	190216	52.197	ug/L	98
46) Tetrachloroethene	8.22	164	162408	47.291	ug/L	99
48) 2-Hexanone	8.36	43	414222	98.624	ug/L	97
49) Dibromochloromethane	8.47	129	206629	46.771	ug/L	99
50) 1,2-Dibromoethane	8.58	107	205164	50.814	ug/L	99
51) Chlorobenzene	9.12	112	516565	48.863	ug/L	99
52) Ethylbenzene	9.25	91	854076	48.823	ug/L	100
53) m,p-Xylene	9.37	106	334821	47.681	ug/L	100
54) o-xylene	9.77	106	331869	47.050	ug/L	98
55) Styrene	9.79	104	567033	47.621	ug/L	95
56) Isopropylbenzene	10.16	105	867066	46.977	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	326562	50.676	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	249425	51.166	ug/L	99
61) Bromoform	9.95	173	161380	44.739	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	418887	49.049	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	423272	49.250	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	436316	48.943	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	68651	49.486	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	322177	49.436	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	286414	50.812	ug/L	100
69) Naphthalene	13.74	128	932744	53.836	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	302572	50.548	ug/L	98

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

