

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080418\
 Data File : VU025819.D
 Acq On : 03 Aug 2018 15:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05050

Quant Time: Aug 03 23:47:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 03 04:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	284918	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	276563	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	146377	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81378	50.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.06%
7) Chloroethane-d5	1.68	69	66206	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.68%
11) 1,1-Dichloroethene-d2	2.27	63	163976	48.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.84%
21) 2-Butanone-d5	4.18	46	129975	103.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.50%
24) Chloroform-d	4.65	84	186805	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
26) 1,2-Dichloroethane-d4	5.31	65	121907	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
32) Benzene-d6	5.34	84	350107	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	6.33	67	112931	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.82%
41) Toluene-d8	7.57	98	344953	50.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.42%
43) trans-1,3-Dichloropropene-	7.85	79	57836	49.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.08%
47) 2-Hexanone-d5	8.31	63	95757	100.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	156690	49.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.04%
64) 1,2-Dichlorobenzene-d4	11.86	152	144795	48.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.62%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	120964	43.09	ug/L	99
3) Chloromethane	1.33	50	95736	47.22	ug/L	98
5) Vinyl chloride	1.40	62	98042	44.09	ug/L	96
6) Bromomethane	1.63	94	42080	54.42	ug/L	93
8) Chloroethane	1.70	64	59461	45.41	ug/L	99
9) Trichlorofluoromethane	1.89	101	148858	47.01	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	84899	47.88	ug/L	99
12) 1,1-Dichloroethene	2.28	96	72968	45.38	ug/L	97
13) Acetone	2.32	43	133880	90.83	ug/L	99
14) Carbon disulfide	2.48	76	234636	44.81	ug/L	100
15) Methyl Acetate	2.62	43	102598	50.35	ug/L	99
16) Methylene chloride	2.70	84	93531	46.70	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	86934	46.96	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	289208	47.97	ug/L	99
19) 1,1-Dichloroethane	3.45	63	169845	48.23	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	100064	47.88	ug/L	95
22) 2-Butanone	4.26	43	152472	92.92	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	52728	47.80	ug/L	97
25) Chloroform	4.68	83	177496	47.90	ug/L	96
27) 1,2-Dichloroethane	5.41	62	149344	49.41	ug/L	99
29) Cyclohexane	5.00	56	138952	43.37	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	160399	46.35	ug/L	100
31) Carbon tetrachloride	5.14	117	146858	45.89	ug/L	99
33) Benzene	5.39	78	364218	45.83	ug/L	100
34) Trichloroethene	6.19	95	99194	47.05	ug/L	98
35) Methylcyclohexane	6.42	83	147466	43.38	ug/L	99
37) 1,2-Dichloropropane	6.44	63	100849	46.44	ug/L	99
38) Bromodichloromethane	6.76	83	138034	48.21	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	159231	47.25	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	272792	95.66	ug/L	100
42) Toluene	7.64	91	400794	46.77	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	152979	48.15	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	95498	45.85	ug/L	97
46) Tetrachloroethene	8.23	164	84474	46.21	ug/L	98
48) 2-Hexanone	8.36	43	230205	95.54	ug/L	98
49) Dibromochloromethane	8.48	129	118188	48.37	ug/L	99
50) 1,2-Dibromoethane	8.59	107	103434	46.09	ug/L	100
51) Chlorobenzene	9.12	112	274008	47.49	ug/L	98
52) Ethylbenzene	9.25	91	445076	47.06	ug/L	99
53) m,p-Xylene	9.38	106	175666	48.49	ug/L	100
54) o-xylene	9.78	106	171137	46.55	ug/L	98
55) Styrene	9.80	104	293123	48.96	ug/L	99
56) Isopropylbenzene	10.17	105	449684	47.40	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	159305	47.42	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	119243	46.75	ug/L	100
61) Bromoform	9.96	173	88011	46.48	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	217334	46.94	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	226367	47.89	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	228425	47.09	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	36027	47.23	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	169831	47.52	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	146006	48.61	ug/L	98
69) Naphthalene	13.74	128	433845	48.03	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	154048	48.51	ug/L	99

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

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