

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
 Data File : VU026669.D
 Acq On : 10 Sep 2018 23:05
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Sep 11 07:11:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 07:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	196795	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	186561	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94250	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73153	49.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.76%
7) Chloroethane-d5	1.68	69	59523	50.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.74%
11) 1,1-Dichloroethene-d2	2.27	63	133881	51.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.02%
21) 2-Butanone-d5	4.18	46	98325	107.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.74%
24) Chloroform-d	4.65	84	123994	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
26) 1,2-Dichloroethane-d4	5.31	65	81045	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
32) Benzene-d6	5.34	84	252040	52.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.33	67	83494	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.06%
41) Toluene-d8	7.57	98	236893	52.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.58%
43) trans-1,3-Dichloropropene-	7.85	79	37634	49.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.92%
47) 2-Hexanone-d5	8.31	63	73327	110.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	114845	51.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	93678	49.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	63843	51.54	ug/L	100
3) Chloromethane	1.33	50	81926	50.31	ug/L	98
5) Vinyl chloride	1.40	62	88766	52.75	ug/L	99
6) Bromomethane	1.62	94	43441	44.30	ug/L	99
8) Chloroethane	1.70	64	53853	51.61	ug/L	99
9) Trichlorofluoromethane	1.88	101	113446	53.47	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	63531	52.58	ug/L	100
12) 1,1-Dichloroethene	2.28	96	60995	52.56	ug/L	96
13) Acetone	2.32	43	68501	65.90	ug/L	99
14) Carbon disulfide	2.48	76	190600	50.57	ug/L	99
15) Methyl Acetate	2.61	43	80249	54.12	ug/L	98
16) Methylene chloride	2.70	84	72432	52.89	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	63514	51.66	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	201454	53.17	ug/L	100
19) 1,1-Dichloroethane	3.45	63	126498	53.05	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	72949	52.67	ug/L	100
22) 2-Butanone	4.26	43	109363	91.89	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38167	53.88	ug/L	99
25) Chloroform	4.67	83	128827	53.75	ug/L	100
27) 1,2-Dichloroethane	5.41	62	100855	52.99	ug/L	100
29) Cyclohexane	5.00	56	109634	53.65	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	105624	53.44	ug/L	99
31) Carbon tetrachloride	5.14	117	93935	52.58	ug/L	100
33) Benzene	5.39	78	282237	54.02	ug/L	100
34) Trichloroethene	6.19	95	69196	53.29	ug/L	96
35) Methylcyclohexane	6.42	83	111699	53.74	ug/L	99
37) 1,2-Dichloropropane	6.43	63	78752	53.96	ug/L	99
38) Bromodichloromethane	6.76	83	97244	54.37	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	108450	50.22	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	211798	113.76	ug/L	99
42) Toluene	7.64	91	295639	54.60	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	103323	51.43	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	69372	53.59	ug/L	99
46) Tetrachloroethene	8.23	164	55715	51.05	ug/L	99
48) 2-Hexanone	8.36	43	164814	104.86	ug/L	98
49) Dibromochloromethane	8.48	129	78296	52.32	ug/L	99
50) 1,2-Dibromoethane	8.59	107	74317	53.66	ug/L	100
51) Chlorobenzene	9.12	112	187182	52.65	ug/L	99
52) Ethylbenzene	9.25	91	315510	53.88	ug/L	99
53) m,p-Xylene	9.38	106	122121	55.31	ug/L	98
54) o-xylene	9.78	106	120841	55.14	ug/L	99
55) Styrene	9.79	104	206414	55.68	ug/L	98
56) Isopropylbenzene	10.17	105	307021	55.00	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	120967	53.94	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	93871	54.36	ug/L	100
61) Bromoform	9.96	173	59883	51.58	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	141503	52.29	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	146985	51.27	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	153165	53.55	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	24779	53.63	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	110214	51.34	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	95419	51.14	ug/L	99
69) Naphthalene	13.74	128	321091	56.16	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	106334	52.61	ug/L	98

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

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