

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121018\
 Data File : VU028545.D
 Acq On : 10 Dec 2018 11:52
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Dec 11 02:54:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 11 02:51:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	160043	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	153352	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	75305	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59383	39.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.46%
7) Chloroethane-d5	1.68	69	47823	42.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.36%
11) 1,1-Dichloroethene-d2	2.27	63	115201	43.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.42%
21) 2-Butanone-d5	4.17	46	117189	97.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.63%
24) Chloroform-d	4.65	84	106064	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	5.31	65	69842	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.56%
32) Benzene-d6	5.34	84	214615	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
36) 1,2-Dichloropropane-d6	6.33	67	78924	45.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.66%
41) Toluene-d8	7.57	98	192195	43.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.92%
43) trans-1,3-Dichloropropene-	7.85	79	35501	45.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.16%
47) 2-Hexanone-d5	8.31	63	82534	98.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105407	47.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	71793	46.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.98%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	67050	50.302	ug/L 98
3) Chloromethane	1.33	50	101930	49.732	ug/L 98
5) Vinyl chloride	1.40	62	87553	49.352	ug/L 100
6) Bromomethane	1.62	94	29217	54.871	ug/L 100
8) Chloroethane	1.70	64	50242	49.421	ug/L 99
9) Trichlorofluoromethane	1.89	101	94238	50.871	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	58145	52.263	ug/L 98
12) 1,1-Dichloroethene	2.28	96	54922	52.093	ug/L 82
13) Acetone	2.32	43	124936	93.098	ug/L 99
14) Carbon disulfide	2.48	76	189574	48.470	ug/L 99
15) Methyl Acetate	2.61	43	99275	53.083	ug/L 98
16) Methylene chloride	2.70	84	69716	50.578	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	61237	50.092	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	214237	52.022	ug/L 99
19) 1,1-Dichloroethane	3.45	63	131489	50.739	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	70749	51.027	ug/L 100
22) 2-Butanone	4.26	43	163567	103.245	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	32038	51.748	ug/L	93
25) Chloroform	4.67	83	123654	51.815	ug/L	99
27) 1,2-Dichloroethane	5.40	62	100740	51.071	ug/L	99
29) Cyclohexane	5.00	56	130592	51.456	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	98349	51.659	ug/L	99
31) Carbon tetrachloride	5.13	117	79801	51.811	ug/L	99
33) Benzene	5.39	78	284523	52.014	ug/L	100
34) Trichloroethene	6.19	95	67637	50.907	ug/L	97
35) Methylcyclohexane	6.41	83	118052	52.702	ug/L	100
37) 1,2-Dichloropropane	6.43	63	84744	51.824	ug/L	99
38) Bromodichloromethane	6.76	83	92594	51.490	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	120838	52.068	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	271407	108.998	ug/L	99
42) Toluene	7.64	91	286873	51.624	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	110767	51.746	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	66942	52.242	ug/L	99
46) Tetrachloroethene	8.22	164	47931	50.985	ug/L	99
48) 2-Hexanone	8.36	43	221471	105.114	ug/L	99
49) Dibromochloromethane	8.48	129	68161	52.584	ug/L	98
50) 1,2-Dibromoethane	8.58	107	71801	53.429	ug/L	100
51) Chlorobenzene	9.12	112	176264	52.653	ug/L	98
52) Ethylbenzene	9.25	91	318007	51.692	ug/L	100
53) m,p-Xylene	9.37	106	116722	52.411	ug/L	98
54) o-xylene	9.78	106	114214	52.228	ug/L	97
55) Styrene	9.79	104	196581	52.943	ug/L	100
56) Isopropylbenzene	10.16	105	298250	52.321	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	124442	52.874	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	98773	53.459	ug/L	100
61) Bromoform	9.96	173	50738	52.652	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	131136	51.023	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	132930	51.110	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	132110	51.446	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	26252	51.922	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	98062	52.539	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	90172	51.506	ug/L	99
69) Naphthalene	13.74	128	309363	53.240	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	93485	53.458	ug/L	99

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

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