

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120418\
 Data File : VU028466.D
 Acq On : 04 Dec 2018 15:32
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05041

Quant Time: Dec 05 03:14:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 05 03:10:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	659790	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	632570	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	316682	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	234902	39.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.58%
7) Chloroethane-d5	1.68	69	199489	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.04%
11) 1,1-Dichloroethene-d2	2.28	63	461517	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.92%
21) 2-Butanone-d5	4.17	46	426808	88.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.10%
24) Chloroform-d	4.65	84	439461	46.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.30%
26) 1,2-Dichloroethane-d4	5.30	65	278111	42.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.78%
32) Benzene-d6	5.34	84	895941	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
36) 1,2-Dichloropropane-d6	6.33	67	315709	44.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.86%
41) Toluene-d8	7.56	98	804523	45.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.16%
43) trans-1,3-Dichloropropene-	7.85	79	148077	46.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.30%
47) 2-Hexanone-d5	8.31	63	316795	92.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.31%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	420650	46.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.62%
64) 1,2-Dichlorobenzene-d4	11.86	152	302460	47.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	256264	43.438	ug/L	99
3) Chloromethane	1.33	50	371637	43.598	ug/L	98
5) Vinyl chloride	1.40	62	323063	44.313	ug/L	98
6) Bromomethane	1.63	94	114979	56.029	ug/L	98
8) Chloroethane	1.70	64	189006	46.179	ug/L	100
9) Trichlorofluoromethane	1.89	101	347817	46.844	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	216907	50.325	ug/L	96
12) 1,1-Dichloroethene	2.29	96	215342	51.719	ug/L	93
13) Acetone	2.32	43	318176	63.132	ug/L	98
14) Carbon disulfide	2.48	76	706705	44.832	ug/L	100
15) Methyl Acetate	2.61	43	319826	42.894	ug/L	97
16) Methylene chloride	2.70	84	255609	47.423	ug/L	91
17) trans-1,2-Dichloroethene	2.98	96	231172	48.992	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	776057	47.329	ug/L	97
19) 1,1-Dichloroethane	3.45	63	467912	45.906	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	267531	49.296	ug/L	95
22) 2-Butanone	4.26	43	465153	73.727	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	121163	51.034	ug/L	89
25) Chloroform	4.67	83	438286	46.963	ug/L	99
27) 1,2-Dichloroethane	5.40	62	345259	44.689	ug/L	98
29) Cyclohexane	5.00	56	460120	44.819	ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	352726	47.108	ug/L	98
31) Carbon tetrachloride	5.13	117	280249	46.470	ug/L	100
33) Benzene	5.39	78	1027963	47.308	ug/L	100
34) Trichloroethene	6.18	95	254844	49.049	ug/L	96
35) Methylcyclohexane	6.41	83	433643	47.946	ug/L	97
37) 1,2-Dichloropropane	6.43	63	298921	46.397	ug/L	99
38) Bromodichloromethane	6.76	83	328043	45.887	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	426508	46.624	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	859261	84.331	ug/L	97
42) Toluene	7.64	91	1065463	48.180	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	399457	47.655	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	246018	49.104	ug/L	95
46) Tetrachloroethene	8.22	164	186133	50.943	ug/L	99
48) 2-Hexanone	8.36	43	664818	77.661	ug/L	97
49) Dibromochloromethane	8.48	129	241192	47.062	ug/L	96
50) 1,2-Dibromoethane	8.58	107	256765	47.678	ug/L	98
51) Chlorobenzene	9.12	112	661947	50.180	ug/L	97
52) Ethylbenzene	9.25	91	1194065	48.881	ug/L	99
53) m,p-Xylene	9.37	106	436833	50.138	ug/L	96
54) o-xylene	9.78	106	428603	49.666	ug/L	96
55) Styrene	9.79	104	741126	50.126	ug/L	97
56) Isopropylbenzene	10.16	105	1128618	49.575	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	431539	46.174	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	333976	45.667	ug/L	99
61) Bromoform	9.96	173	175070	44.942	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	520399	50.419	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	520084	50.037	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	504041	49.199	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	89424	43.328	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	393913	51.879	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	368000	52.038	ug/L	99
69) Naphthalene	13.74	128	1241116	50.332	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	361265	50.716	ug/L	99

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

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