

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U122418\
 Data File : VU028952.D
 Acq On : 24 Dec 2018 17:30
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Dec 25 00:09:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 25 00:02:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	273989	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	258264	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	125700	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87530	39.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.70%
7) Chloroethane-d5	1.67	69	75483	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.98%
11) 1,1-Dichloroethene-d2	2.27	63	168885	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.44%
21) 2-Butanone-d5	4.17	46	143120	93.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.00%
24) Chloroform-d	4.65	84	171968	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
26) 1,2-Dichloroethane-d4	5.31	65	102171	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
32) Benzene-d6	5.34	84	364494	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
36) 1,2-Dichloropropane-d6	6.33	67	119331	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.56	98	344090	52.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.08%
43) trans-1,3-Dichloropropene-	7.85	79	56731	51.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.16%
47) 2-Hexanone-d5	8.31	63	122920	104.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	169870	49.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	134565	52.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	104475	46.763	ug/L 100
3) Chloromethane	1.33	50	119705	39.403	ug/L 98
5) Vinyl chloride	1.40	62	126279	47.052	ug/L 98
6) Bromomethane	1.61	94	53619	46.902	ug/L 98
8) Chloroethane	1.69	64	75030	48.978	ug/L 96
9) Trichlorofluoromethane	1.88	101	151454	55.185	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	90963	51.227	ug/L 97
12) 1,1-Dichloroethene	2.28	96	91020	51.812	ug/L 83
13) Acetone	2.32	43	94671	60.364	ug/L 99
14) Carbon disulfide	2.48	76	282252	46.009	ug/L 100
15) Methyl Acetate	2.61	43	104329	42.669	ug/L 93
16) Methylene chloride	2.70	84	107518	49.629	ug/L 93
17) trans-1,2-Dichloroethene	2.98	96	96841	50.882	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	311362	53.201	ug/L 97
19) 1,1-Dichloroethane	3.44	63	175889	47.540	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	113244	52.525	ug/L 88
22) 2-Butanone	4.26	43	149193	78.119	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	55192	53.699	ug/L	85
25) Chloroform	4.67	83	175373	49.801	ug/L	100
27) 1,2-Dichloroethane	5.40	62	129801	49.598	ug/L	98
29) Cyclohexane	4.99	56	163375	47.529	ug/L	93
30) 1,1,1-Trichloroethane	4.91	97	144244	52.768	ug/L	97
31) Carbon tetrachloride	5.13	117	116234	52.730	ug/L	99
33) Benzene	5.39	78	415796	50.570	ug/L	100
34) Trichloroethene	6.18	95	102110	51.440	ug/L	94
35) Methylcyclohexane	6.41	83	166257	50.288	ug/L	94
37) 1,2-Dichloropropane	6.43	63	111036	48.310	ug/L	99
38) Bromodichloromethane	6.76	83	129549	50.899	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	167492	51.115	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	286706	92.807	ug/L	95
42) Toluene	7.64	91	441007	52.912	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	148790	50.940	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	103689	52.764	ug/L	97
46) Tetrachloroethene	8.22	164	83154	54.391	ug/L	96
48) 2-Hexanone	8.36	43	219985	86.760	ug/L	95
49) Dibromochloromethane	8.48	129	101525	51.867	ug/L	99
50) 1,2-Dibromoethane	8.58	107	109294	53.455	ug/L	97
51) Chlorobenzene	9.12	112	280707	53.439	ug/L	98
52) Ethylbenzene	9.25	91	479320	53.521	ug/L	97
53) m,p-Xylene	9.37	106	182877	55.221	ug/L	97
54) o-xylene	9.78	106	184618	55.621	ug/L	96
55) Styrene	9.79	104	308802	54.932	ug/L	99
56) Isopropylbenzene	10.16	105	464907	55.214	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	179319	50.229	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	137774	50.231	ug/L	99
61) Bromoform	9.96	173	78694	50.502	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	215198	53.893	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	215166	52.301	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	219788	52.765	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	35011	48.728	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	156087	53.017	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	140999	57.191	ug/L	99
69) Naphthalene	13.74	128	498334	58.220	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	146859	55.243	ug/L	99

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

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