

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122718\
 Data File : VU028964.D
 Acq On : 27 Dec 2018 13:55
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Dec 28 00:51:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 28 00:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	295051	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	277976	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	136383	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99558	42.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.18%
7) Chloroethane-d5	1.67	69	83774	45.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.70%
11) 1,1-Dichloroethene-d2	2.27	63	188378	47.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.72%
21) 2-Butanone-d5	4.17	46	147732	89.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.14%
24) Chloroform-d	4.64	84	181707	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.31	65	108876	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.34	84	374353	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
36) 1,2-Dichloropropane-d6	6.33	67	125148	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.82%
41) Toluene-d8	7.56	98	350776	49.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.58%
43) trans-1,3-Dichloropropene-	7.85	79	60121	50.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.58%
47) 2-Hexanone-d5	8.31	63	124577	98.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	175928	47.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	139476	50.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	126647	52.640	ug/L	100
3) Chloromethane	1.33	50	143306	43.804	ug/L	97
5) Vinyl chloride	1.40	62	152253	52.681	ug/L	99
6) Bromomethane	1.61	94	68523	55.661	ug/L	99
8) Chloroethane	1.69	64	91423	55.419	ug/L	98
9) Trichlorofluoromethane	1.88	101	178704	60.466	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	111013	58.056	ug/L	98
12) 1,1-Dichloroethene	2.28	96	108334	57.265	ug/L #	78
13) Acetone	2.32	43	132630	78.531	ug/L	99
14) Carbon disulfide	2.48	76	330752	50.066	ug/L	99
15) Methyl Acetate	2.61	43	121898	46.295	ug/L	95
16) Methylene chloride	2.70	84	127548	54.672	ug/L	93
17) trans-1,2-Dichloroethene	2.98	96	114450	55.841	ug/L	97
18) Methyl tert-butyl Ether	3.00	73	367301	58.279	ug/L	97
19) 1,1-Dichloroethane	3.44	63	212293	53.284	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	133765	57.614	ug/L	93
22) 2-Butanone	4.26	43	177434	86.274	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	65429	59.115	ug/L	86
25) Chloroform	4.67	83	211445	55.759	ug/L	97
27) 1,2-Dichloroethane	5.40	62	155952	55.337	ug/L	98
29) Cyclohexane	4.99	56	193041	52.177	ug/L	93
30) 1,1,1-Trichloroethane	4.91	97	172525	58.639	ug/L	98
31) Carbon tetrachloride	5.13	117	138553	58.398	ug/L	100
33) Benzene	5.39	78	493805	55.799	ug/L	100
34) Trichloroethene	6.18	95	122136	57.165	ug/L	92
35) Methylcyclohexane	6.41	83	199305	56.009	ug/L	94
37) 1,2-Dichloropropane	6.43	63	131839	53.294	ug/L	98
38) Bromodichloromethane	6.75	83	154764	56.493	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	200260	56.782	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	325694	97.951	ug/L	96
42) Toluene	7.63	91	528037	58.861	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	180114	57.292	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	123143	58.220	ug/L	97
46) Tetrachloroethene	8.22	164	99520	60.480	ug/L	97
48) 2-Hexanone	8.36	43	250264	91.703	ug/L	95
49) Dibromochloromethane	8.48	129	121268	57.560	ug/L	98
50) 1,2-Dibromoethane	8.58	107	129456	58.826	ug/L	99
51) Chlorobenzene	9.12	112	335282	59.302	ug/L	98
52) Ethylbenzene	9.25	91	566601	58.780	ug/L	98
53) m,p-Xylene	9.37	106	218388	61.267	ug/L	96
54) o-xylene	9.78	106	214854	60.140	ug/L	100
55) Styrene	9.79	104	367464	60.732	ug/L	100
56) Isopropylbenzene	10.16	105	551667	60.872	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	206309	53.691	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	158730	53.768	ug/L	99
61) Bromoform	9.96	173	92788	54.883	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	258728	59.719	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	259334	58.100	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	260761	57.698	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	39321	50.440	ug/L	95
67) 1,3,5-Trichlorobenzene	12.89	180	192438	60.244	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	171249	64.020	ug/L	99
69) Naphthalene	13.74	128	569094	61.279	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	175672	60.905	ug/L	99

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

