

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122718\
 Data File : VU028954.D
 Acq On : 27 Dec 2018 09:00
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Dec 28 00:44:28 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	267288	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	251811	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	125308	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92251	43.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.10%
7) Chloroethane-d5	1.67	69	76621	46.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.58%
11) 1,1-Dichloroethene-d2	2.27	63	180105	49.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.96%
21) 2-Butanone-d5	4.17	46	138652	92.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.35%
24) Chloroform-d	4.64	84	171742	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
26) 1,2-Dichloroethane-d4	5.31	65	102138	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
32) Benzene-d6	5.34	84	356349	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
36) 1,2-Dichloropropane-d6	6.33	67	116069	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.06%
41) Toluene-d8	7.56	98	333441	51.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.44%
43) trans-1,3-Dichloropropene-	7.85	79	56713	52.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.74%
47) 2-Hexanone-d5	8.31	63	119920	104.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	170877	50.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	135264	53.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	109441	50.214	ug/L	98
3) Chloromethane	1.33	50	118993	40.151	ug/L	98
5) Vinyl chloride	1.40	62	125981	48.118	ug/L	98
6) Bromomethane	1.61	94	57292	51.372	ug/L	97
8) Chloroethane	1.69	64	74908	50.125	ug/L	98
9) Trichlorofluoromethane	1.88	101	155750	58.174	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	103638	59.829	ug/L	97
12) 1,1-Dichloroethene	2.28	96	99780	58.222	ug/L	81
13) Acetone	2.32	43	160126	104.659	ug/L	98
14) Carbon disulfide	2.48	76	289270	48.335	ug/L	98
15) Methyl Acetate	2.61	43	102504	42.973	ug/L	92
16) Methylene chloride	2.70	84	108117	51.157	ug/L	91
17) trans-1,2-Dichloroethene	2.98	96	99647	53.668	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	311701	54.594	ug/L	96
19) 1,1-Dichloroethane	3.44	63	179194	49.648	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	115034	54.693	ug/L	91
22) 2-Butanone	4.26	43	183768	98.635	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	56169	56.020	uq/L	83
25) Chloroform	4.67	83	180230	52.464	uq/L	99
27) 1,2-Dichloroethane	5.40	62	133364	52.237	uq/L	97
29) Cyclohexane	4.99	56	165373	49.343	uq/L	92
30) 1,1,1-Trichloroethane	4.91	97	149451	56.074	uq/L	98
31) Carbon tetrachloride	5.13	117	123344	57.389	uq/L	100
33) Benzene	5.39	78	416857	51.999	uq/L	100
34) Trichloroethene	6.18	95	106544	55.049	uq/L	95
35) Methylcyclohexane	6.41	83	176050	54.614	uq/L	94
37) 1,2-Dichloropropane	6.43	63	112069	50.009	uq/L	99
38) Bromodichloromethane	6.76	83	137676	55.478	uq/L	98
39) cis-1,3-Dichloropropene	7.27	75	177452	55.543	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	277774	92.220	uq/L #	94
42) Toluene	7.64	91	450188	55.398	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	159298	55.935	uq/L	100
45) 1,1,2-Trichloroethane	8.06	97	106044	55.345	uq/L	98
46) Tetrachloroethene	8.22	164	88094	59.099	uq/L	96
48) 2-Hexanone	8.36	43	240953	97.465	uq/L #	94
49) Dibromochloromethane	8.48	129	111516	58.431	uq/L	99
50) 1,2-Dibromoethane	8.58	107	115366	57.870	uq/L	100
51) Chlorobenzene	9.12	112	290483	56.717	uq/L	98
52) Ethylbenzene	9.25	91	494061	56.581	uq/L	97
53) m,p-Xylene	9.37	106	190326	58.943	uq/L	95
54) o-xylene	9.78	106	185473	57.311	uq/L	98
55) Styrene	9.79	104	321699	58.693	uq/L	98
56) Isopropylbenzene	10.16	105	485339	59.117	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	181741	52.212	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	137014	51.234	uq/L	100
61) Bromoform	9.96	173	87849	56.554	uq/L	100
62) 1,3-Dichlorobenzene	11.41	146	230394	57.879	uq/L	100
63) 1,4-Dichlorobenzene	11.50	146	231373	56.417	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	233956	56.342	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	35942	50.180	uq/L	89
67) 1,3,5-Trichlorobenzene	12.89	180	176689	60.203	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	153274	62.365	uq/L	99
69) Naphthalene	13.74	128	503034	58.953	uq/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	154991	58.484	uq/L	99

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

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