

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121418\
 Data File : VV008968.D
 Acq On : 15 Dec 2018 06:39
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Dec 15 19:58:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 15 01:01:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	217897	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	204430	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	103817	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59122	46.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.92%
7) Chloroethane-d5	1.56	69	43044	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.50%
11) 1,1-Dichloroethene-d2	2.13	63	153497	51.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.16%
21) 2-Butanone-d5	3.93	46	96696	113.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.81%
24) Chloroform-d	4.40	84	138631	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.12%
26) 1,2-Dichloroethane-d4	5.08	65	88873	51.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.78%
32) Benzene-d6	5.10	84	274544	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
36) 1,2-Dichloropropane-d6	6.12	67	83191	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.50%
41) Toluene-d8	7.36	98	259278	50.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.28%
43) trans-1,3-Dichloropropene-	7.67	79	40143	47.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.62%
47) 2-Hexanone-d5	8.14	63	73728	120.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.33%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	110953	51.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.82%
64) 1,2-Dichlorobenzene-d4	11.68	152	106614	49.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.58%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	72514	47.380	ug/L 99
3) Chloromethane	1.25	50	62609	48.754	ug/L 98
5) Vinyl chloride	1.33	62	65804	49.059	ug/L 99
6) Bromomethane	1.51	94	28483	39.689	ug/L 100
8) Chloroethane	1.58	64	36470	53.304	ug/L 97
9) Trichlorofluoromethane	1.76	101	127911	52.630	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	74143	49.855	ug/L 95
12) 1,1-Dichloroethene	2.14	96	66249	48.965	ug/L 92
13) Acetone	2.19	43	84498	66.140	ug/L 97
14) Carbon disulfide	2.32	76	169414	45.856	ug/L 100
15) Methyl Acetate	2.46	43	73037	52.822	ug/L 98
16) Methylene chloride	2.54	84	73001	48.455	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	67724	49.462	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	223126	51.192	ug/L 99
19) 1,1-Dichloroethane	3.23	63	122388	50.635	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	77217	49.159	ug/L 95
22) 2-Butanone	4.02	43	96232	89.722	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41363	50.315	ug/L	95
25) Chloroform	4.43	83	131217	48.696	ug/L	99
27) 1,2-Dichloroethane	5.18	62	105934	50.599	ug/L	100
29) Cyclohexane	4.73	56	104035	47.776	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	120410	48.070	ug/L	100
31) Carbon tetrachloride	4.88	117	107326	47.454	ug/L	99
33) Benzene	5.15	78	276015	48.982	ug/L	100
34) Trichloroethene	5.96	95	81177	49.901	ug/L	97
35) Methylcyclohexane	6.18	83	116029	48.097	ug/L	100
37) 1,2-Dichloropropane	6.22	63	70697	48.527	ug/L	99
38) Bromodichloromethane	6.56	83	96393	47.810	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	105435	45.380	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	180895	107.476	ug/L	99
42) Toluene	7.43	91	299961	49.822	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	100242	46.287	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	73855	50.063	ug/L	99
46) Tetrachloroethene	8.02	164	63492	49.014	ug/L	96
48) 2-Hexanone	8.19	43	136250	97.204	ug/L	94
49) Dibromochloromethane	8.29	129	84504	49.289	ug/L	99
50) 1,2-Dibromoethane	8.40	107	78509	49.789	ug/L	97
51) Chlorobenzene	8.93	112	203597	49.490	ug/L	100
52) Ethylbenzene	9.06	91	334811	50.393	ug/L	99
53) m,p-Xylene	9.18	106	127900	50.482	ug/L	98
54) o-xylene	9.59	106	127525	50.889	ug/L	96
55) Styrene	9.60	104	215899	52.110	ug/L	98
56) Isopropylbenzene	9.98	105	332239	50.228	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	108350	49.996	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	94564	51.542	ug/L	99
61) Bromoform	9.78	173	61157	45.851	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	161850	48.632	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	162825	48.588	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	172933	51.175	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	23446	50.754	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	108152	50.423	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	79919	54.321	ug/L	99
69) Naphthalene	13.56	128	179184	48.710	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	79765	53.838	ug/L	99

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

