

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031919\
 Data File : VV009788.D
 Acq On : 19 Mar 2019 19:44
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Quant Time: Mar 20 05:21:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 20 05:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140986	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	140775	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66581	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42373	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.16%
7) Chloroethane-d5	1.56	69	34745	49.54	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	2.12	63	93589	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.46%
21) 2-Butanone-d5	3.93	46	58145	102.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.69%
24) Chloroform-d	4.40	84	86257	49.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.78%
26) 1,2-Dichloroethane-d4	5.08	65	52136	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
32) Benzene-d6	5.10	84	180851	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
36) 1,2-Dichloropropane-d6	6.12	67	54416	48.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.18%
41) Toluene-d8	7.36	98	174938	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%
43) trans-1,3-Dichloropropene-	7.66	79	25941	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.96%
47) 2-Hexanone-d5	8.13	63	43448	95.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	83845	49.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.70%
64) 1,2-Dichlorobenzene-d4	11.67	152	68341	50.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	49448	47.350	ug/L 100
3) Chloromethane	1.25	50	46471	47.683	ug/L 98
5) Vinyl chloride	1.32	62	51122	48.847	ug/L 98
6) Bromomethane	1.51	94	24697	44.311	ug/L 99
8) Chloroethane	1.58	64	30338	47.686	ug/L 95
9) Trichlorofluoromethane	1.76	101	85311	48.684	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46000	47.432	ug/L 98
12) 1,1-Dichloroethene	2.13	96	41232	49.055	ug/L 95
13) Acetone	2.19	43	42856	79.913	ug/L 99
14) Carbon disulfide	2.31	76	115660	47.188	ug/L 99
15) Methyl Acetate	2.46	43	42855	47.386	ug/L 100
16) Methylene chloride	2.53	84	48769	49.941	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	43810	48.667	ug/L 96
18) Methyl tert-butyl Ether	2.80	73	138401	48.643	ug/L 99
19) 1,1-Dichloroethane	3.23	63	76661	48.553	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	49410	47.938	ug/L 93
22) 2-Butanone	4.02	43	58415	86.310	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26264	50.349	ug/L	97
25) Chloroform	4.42	83	84694	48.651	ug/L	97
27) 1,2-Dichloroethane	5.18	62	62048	47.902	ug/L	100
29) Cyclohexane	4.72	56	68860	45.706	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	74252	48.466	ug/L	98
31) Carbon tetrachloride	4.87	117	64017	50.581	ug/L	100
33) Benzene	5.15	78	184243	47.951	ug/L	100
34) Trichloroethene	5.96	95	48198	48.125	ug/L	96
35) Methylcyclohexane	6.18	83	74783	45.373	ug/L	98
37) 1,2-Dichloropropane	6.22	63	45326	46.258	ug/L	100
38) Bromodichloromethane	6.56	83	61316	47.621	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	71938	48.061	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	122852	95.487	ug/L	99
42) Toluene	7.43	91	209054	48.821	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	69358	48.933	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	50287	49.615	ug/L	99
46) Tetrachloroethene	8.02	164	39320	47.032	ug/L	97
48) 2-Hexanone	8.19	43	85105	88.865	ug/L	97
49) Dibromochloromethane	8.29	129	54886	50.479	ug/L	98
50) 1,2-Dibromoethane	8.40	107	52947	50.100	ug/L	100
51) Chlorobenzene	8.93	112	140041	48.710	ug/L	98
52) Ethylbenzene	9.06	91	231752	47.718	ug/L	99
53) m,p-Xylene	9.18	106	92209	49.145	ug/L	98
54) o-Xylene	9.59	106	91693	48.598	ug/L	98
55) Styrene	9.60	104	151475	49.255	ug/L	97
56) Isopropylbenzene	9.98	105	237568	48.388	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	83937	47.656	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	61605	47.785	ug/L	99
61) Bromoform	9.78	173	36926	46.657	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	102479	46.916	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	102909	46.699	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	108829	48.829	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	14097	45.536	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	69006	49.675	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	50794	52.169	ug/L	97
69) Naphthalene	13.55	128	125868	45.177	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	51337	52.595	ug/L	98

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

