

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121419\
 Data File : VV014057.D
 Acq On : 13 Dec 2019 17:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050832

Quant Time: Dec 14 05:26:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 05 16:45:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	335645	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	315591	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	178039	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99336	54.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.28%
7) Chloroethane-d5	1.55	69	95598	73.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	146.82%#
11) 1,1-Dichloroethene-d2	2.12	63	198770	62.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	124.98%
21) 2-Butanone-d5	3.92	46	157508	117.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.82%
24) Chloroform-d	4.39	84	224883	48.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.70%
26) 1,2-Dichloroethane-d4	5.07	65	138494	46.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.66%
32) Benzene-d6	5.09	84	436577	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
36) 1,2-Dichloropropane-d6	6.11	67	139339	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.92%
41) Toluene-d8	7.35	98	390010	44.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.08%
43) trans-1,3-Dichloropropene-	7.66	79	58998	39.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.88%
47) 2-Hexanone-d5	8.13	63	96163	88.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.02%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	177787	47.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.90%
66) 1,2-Dichlorobenzene-d4	11.67	152	179321	42.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	151817	64.039 ug/L	99
3) Chloromethane	1.25	50	163989	97.418 ug/L	97
5) Vinyl chloride	1.32	62	151528	93.258 ug/L	99
6) Bromomethane	1.51	94	65828	69.784 ug/L	99
8) Chloroethane	1.57	64	88606	104.125 ug/L	99
9) Trichlorofluoromethane	1.75	101	207157	78.414 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	119287	92.110 ug/L	97
12) 1,1-Dichloroethene	2.13	96	111198	91.186 ug/L	82
13) Acetone	2.18	43	171826	188.513 ug/L	96
14) Carbon disulfide	2.31	76	296874	72.040 ug/L	100
15) Methyl Acetate	2.45	43	133165	83.499 ug/L	94
16) Methylene chloride	2.53	84	132692	71.715 ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	116422	67.611 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	361105	61.030 ug/L	96
19) 1,1-Dichloroethane	3.22	63	228611	72.802 ug/L	99
20) cis-1,2-Dichloroethene	3.95	96	132548	65.353 ug/L	91
22) 2-Butanone	4.00	43	195428	166.368 ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.29	128	71216	63.855	ug/L #	87
25) Chloroform	4.42	83	233131	65.496	ug/L	99
27) 1,2-Dichloroethane	5.17	62	175358	63.387	ug/L	97
29) Cyclohexane	4.72	56	188143	71.295	ug/L	93
30) 1,1,1-Trichloroethane	4.65	97	198459	59.199	ug/L	98
31) Carbon tetrachloride	4.87	117	176767	56.837	ug/L	99
33) Benzene	5.14	78	505585	69.595	ug/L	100
34) Trichloroethene	5.95	95	134222	66.472	ug/L	98
35) Methylcyclohexane	6.17	83	198495	66.046	ug/L	93
37) 1,2-Dichloropropane	6.21	63	129781	73.242	ug/L	100
38) Bromodichloromethane	6.55	83	171678	61.587	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	190353	60.931	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	330080	144.735	ug/L	96
42) Toluene	7.42	91	518470	64.229	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	167150	56.680	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	122024	63.884	ug/L	97
46) Tetrachloroethene	8.01	164	113549	60.355	ug/L	95
48) 2-Hexanone	8.18	43	268879	156.383	ug/L	96
49) Dibromochloromethane	8.28	129	139932	56.455	ug/L	99
50) 1,2-Dibromoethane	8.39	107	127491	60.353	ug/L	98
51) Chlorobenzene	8.92	112	335114	61.575	ug/L	99
52) Ethylbenzene	9.05	91	554509	61.222	ug/L	99
53) m,p-Xylene	9.18	106	219511	62.824	ug/L	91
54) o-Xylene	9.58	106	208118	60.025	ug/L	98
55) Styrene	9.60	104	372244	63.733	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.28	83	178257	60.686	ug/L	100
59) Bromoform	9.77	173	108546	51.976	ug/L	98
60) Isopropylbenzene	9.97	105	555997	57.047	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	157550	65.168	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	463185	54.973	ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	469097	56.409	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	291489	59.274	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	294226	59.192	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	305817	60.950	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	37420	46.965	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	237011	59.454	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	186802	54.044	ug/L	98
71) Naphthalene	13.55	128	442826	50.549	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	206296	59.309	ug/L	99

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

