

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021120\
 Data File : VV014555.D
 Acq On : 11 Feb 2020 15:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Quant Time: Feb 12 03:15:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 06 01:03:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	314602	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	292197	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	147384	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64632	36.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.98%
7) Chloroethane-d5	1.58	69	46805	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.18%
11) 1,1-Dichloroethene-d2	2.13	63	108705	46.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.22%
21) 2-Butanone-d5	3.92	46	108361	92.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.17%
24) Chloroform-d	4.39	84	191509	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.58%
26) 1,2-Dichloroethane-d4	5.07	65	116295	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
32) Benzene-d6	5.09	84	380929	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.02%
36) 1,2-Dichloropropane-d6	6.11	67	115558	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.94%
41) Toluene-d8	7.35	98	365120	51.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.82%
43) trans-1,3-Dichloropropene-	7.66	79	62239	50.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.62%
47) 2-Hexanone-d5	8.12	63	92780	97.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.42%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	153362	48.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	139741	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	131905	50.150	ug/L	99
3) Chloromethane	1.26	50	115020	41.885	ug/L	100
5) Vinyl chloride	1.33	62	84099	38.111	ug/L	98
6) Bromomethane	1.53	94	43782	59.548	ug/L	100
8) Chloroethane	1.60	64	40968	42.280	ug/L	98
9) Trichlorofluoromethane	1.77	101	135671	53.398	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	59557	49.999	ug/L	95
12) 1,1-Dichloroethene	2.14	96	54608	45.630	ug/L	93
13) Acetone	2.18	43	75310	75.076	ug/L	94
14) Carbon disulfide	2.32	76	269292	45.815	ug/L	100
15) Methyl Acetate	2.45	43	83097	42.987	ug/L	95
16) Methylene chloride	2.53	84	107234	46.536	ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	103933	50.069	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	326499	51.135	ug/L	97
19) 1,1-Dichloroethane	3.23	63	180075	47.541	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	120188	51.914	ug/L	96
22) 2-Butanone	4.00	43	117713	81.438	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	57501	52.980	ug/L	89
25) Chloroform	4.42	83	196896	51.607	ug/L	99
27) 1,2-Dichloroethane	5.17	62	145105	53.493	ug/L	98
29) Cyclohexane	4.72	56	165874	46.467	ug/L	92
30) 1,1,1-Trichloroethane	4.65	97	174220	55.640	ug/L	99
31) Carbon tetrachloride	4.87	117	154040	56.383	ug/L	99
33) Benzene	5.14	78	423871	49.164	ug/L	100
34) Trichloroethene	5.95	95	113261	52.012	ug/L	97
35) Methylcyclohexane	6.17	83	186151	51.447	ug/L	97
37) 1,2-Dichloropropane	6.21	63	103320	47.954	ug/L	99
38) Bromodichloromethane	6.55	83	149475	51.815	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	185478	52.353	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	235239	90.310	ug/L #	94
42) Toluene	7.42	91	463257	51.329	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	166570	52.941	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	104948	51.554	ug/L	99
46) Tetrachloroethene	8.01	164	90563	56.867	ug/L	98
48) 2-Hexanone	8.17	43	178690	87.698	ug/L	97
49) Dibromochloromethane	8.28	129	123744	55.249	ug/L	100
50) 1,2-Dibromoethane	8.39	107	113542	52.385	ug/L	98
51) Chlorobenzene	8.92	112	304976	52.822	ug/L	98
52) Ethylbenzene	9.05	91	520238	51.358	ug/L	99
53) m,p-Xylene	9.17	106	202096	53.430	ug/L	99
54) o-xylene	9.58	106	192995	51.493	ug/L	99
55) Styrene	9.60	104	332037	52.787	ug/L	100
56) Isopropylbenzene	9.97	105	516531	53.899	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	160381	49.316	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	124607	48.939	ug/L	100
61) Bromoform	9.77	173	84331	54.763	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	242491	53.495	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	241889	51.835	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	232312	51.849	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	33870	47.553	ug/L	92
67) 1,3,5-Trichlorobenzene	12.68	180	173838	56.925	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	160298	57.783	ug/L	99
69) Naphthalene	13.54	128	476472	54.235	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	153400	57.386	ug/L	98

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

