

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\
 Data File : VV014457.D
 Acq On : 31 Jan 2020 16:57
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Quant Time: Feb 01 02:08:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 01 02:04:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	409785	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	383274	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	183605	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110898	48.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.46%
7) Chloroethane-d5	1.57	69	63034	44.55	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.10%
11) 1,1-Dichloroethene-d2	2.13	63	145438	47.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.74%
21) 2-Butanone-d5	3.92	46	179572	117.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.27%
24) Chloroform-d	4.40	84	238541	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	5.08	65	144252	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
32) Benzene-d6	5.09	84	498169	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	6.11	67	158053	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.00%
41) Toluene-d8	7.35	98	465257	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%
43) trans-1,3-Dichloropropene-	7.66	79	80188	49.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.82%
47) 2-Hexanone-d5	8.13	63	149661	119.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.80%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	223689	54.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.76%
64) 1,2-Dichlorobenzene-d4	11.67	152	171570	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	169674	49.526	ug/L 100
3) Chloromethane	1.26	50	186192	52.053	ug/L 99
5) Vinyl chloride	1.33	62	142942	49.731	ug/L 100
6) Bromomethane	1.51	94	35191	36.746	ug/L 97
8) Chloroethane	1.59	64	58929	46.690	ug/L 100
9) Trichlorofluoromethane	1.77	101	160309	48.439	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	77097	49.690	ug/L 100
12) 1,1-Dichloroethene	2.14	96	73950	47.439	ug/L 96
13) Acetone	2.19	43	126465	96.788	ug/L 94
14) Carbon disulfide	2.32	76	380381	49.683	ug/L 100
15) Methyl Acetate	2.45	43	142759	56.697	ug/L 100
16) Methylene chloride	2.53	84	149295	49.740	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	134144	49.612	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	434616	52.257	ug/L 100
19) 1,1-Dichloroethane	3.23	63	246444	49.950	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	152118	50.444	ug/L 99
22) 2-Butanone	4.00	43	212644	112.944	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	72941	51.596	ug/L	94
25) Chloroform	4.42	83	246187	49.538	ug/L	98
27) 1,2-Dichloroethane	5.17	62	182652	51.695	ug/L	97
29) Cyclohexane	4.72	56	235870	50.373	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	209162	50.926	ug/L	100
31) Carbon tetrachloride	4.87	117	179961	50.218	ug/L	99
33) Benzene	5.14	78	572336	50.609	ug/L	100
34) Trichloroethene	5.96	95	140477	49.181	ug/L	99
35) Methylcyclohexane	6.17	83	239269	50.414	ug/L	99
37) 1,2-Dichloropropane	6.22	63	147497	52.190	ug/L	99
38) Bromodichloromethane	6.55	83	189374	50.046	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	245079	52.738	ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	395649	115.798	ug/L	96
42) Toluene	7.43	91	601130	50.778	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	212347	51.453	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	138388	51.827	ug/L	98
46) Tetrachloroethene	8.02	164	104506	50.028	ug/L	99
48) 2-Hexanone	8.18	43	309916	115.958	ug/L	99
49) Dibromochloromethane	8.29	129	151293	51.498	ug/L	99
50) 1,2-Dibromoethane	8.39	107	149241	52.493	ug/L	99
51) Chlorobenzene	8.92	112	383831	50.682	ug/L	99
52) Ethylbenzene	9.05	91	676213	50.893	ug/L	100
53) m,p-Xylene	9.18	106	255564	51.510	ug/L	97
54) o-xylene	9.58	106	250705	50.996	ug/L	100
55) Styrene	9.60	104	432568	52.428	ug/L	99
56) Isopropylbenzene	9.97	105	649033	51.632	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	233118	54.649	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	184137	55.134	ug/L	99
61) Bromoform	9.77	173	104036	54.231	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	291194	51.566	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	296993	51.088	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	291054	52.144	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	49741	56.059	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	197497	51.914	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	180174	52.135	ug/L	100
69) Naphthalene	13.54	128	612240	55.941	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	179209	53.816	ug/L	98

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

