

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120419\
 Data File : VV013901.D
 Acq On : 04 Dec 2019 13:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050993

Quant Time: Dec 05 01:26:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 13:30:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	274581	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	280864	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	146728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69232	46.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.26%
7) Chloroethane-d5	1.55	69	68275	64.08	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	128.16%
11) 1,1-Dichloroethene-d2	2.12	63	152511	58.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.22%
21) 2-Butanone-d5	3.92	46	109879	100.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.47%
24) Chloroform-d	4.39	84	151416	40.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.42%
26) 1,2-Dichloroethane-d4	5.07	65	94010	38.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.72%
32) Benzene-d6	5.09	84	303062	37.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.98%
36) 1,2-Dichloropropane-d6	6.11	67	94174	40.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.44%
41) Toluene-d8	7.35	98	291260	37.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.74%#
43) trans-1,3-Dichloropropene-	7.66	79	46867	35.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.42%
47) 2-Hexanone-d5	8.13	63	76554	78.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.73%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	152968	46.36	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.72%
66) 1,2-Dichlorobenzene-d4	11.67	152	135240	39.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.38%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	102997	53.108	ug/L 98
3) Chloromethane	1.25	50	103115	74.879	ug/L 96
5) Vinyl chloride	1.32	62	100398	75.531	ug/L 99
6) Bromomethane	1.51	94	57624	74.672	ug/L 99
8) Chloroethane	1.57	64	67741	97.309	ug/L 99
9) Trichlorofluoromethane	1.75	101	156977	72.634	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	91023	85.916	ug/L 97
12) 1,1-Dichloroethene	2.13	96	85715	85.920	ug/L 86
13) Acetone	2.18	43	148430	199.060	ug/L 95
14) Carbon disulfide	2.31	76	214967	63.765	ug/L 98
15) Methyl Acetate	2.45	43	90414	69.300	ug/L 93
16) Methylene chloride	2.53	84	88574	58.517	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	81007	57.506	ug/L 94
18) Methyl tert-butyl Ether	2.80	73	249375	51.520	ug/L 97
19) 1,1-Dichloroethane	3.22	63	149349	58.138	ug/L 98
20) cis-1,2-Dichloroethene	3.95	96	92130	55.527	ug/L 93
22) 2-Butanone	4.00	43	147855	153.861	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	50190	55.011	ug/L	91
25) Chloroform	4.41	83	155063	53.252	ug/L	100
27) 1,2-Dichloroethane	5.17	62	117384	51.867	ug/L	97
29) Cyclohexane	4.72	56	135351	57.631	ug/L	95
30) 1,1,1-Trichloroethane	4.65	97	131813	44.180	ug/L	96
31) Carbon tetrachloride	4.87	117	121664	43.956	ug/L	99
33) Benzene	5.14	78	346987	53.669	ug/L	100
34) Trichloroethene	5.95	95	91097	50.693	ug/L	97
35) Methylcyclohexane	6.17	83	142074	53.118	ug/L	93
37) 1,2-Dichloropropane	6.21	63	86522	54.866	ug/L	99
38) Bromodichloromethane	6.55	83	115241	46.453	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	134627	48.422	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	233248	114.921	ug/L	98
42) Toluene	7.42	91	371748	51.747	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	121021	46.112	ug/L	100
45) 1,1,2-Trichloroethane	7.87	97	89110	52.420	ug/L	98
46) Tetrachloroethene	8.01	164	85757	51.219	ug/L	96
48) 2-Hexanone	8.17	43	192051	125.510	ug/L	99
49) Dibromochloromethane	8.28	129	103594	46.962	ug/L	99
50) 1,2-Dibromoethane	8.39	107	94494	50.263	ug/L	100
51) Chlorobenzene	8.92	112	266199	54.960	ug/L	99
52) Ethylbenzene	9.05	91	428812	53.198	ug/L	100
53) m,p-Xylene	9.17	106	167486	53.861	ug/L	92
54) o-Xylene	9.58	106	162091	52.531	ug/L	94
55) Styrene	9.60	104	284537	54.740	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.28	83	151365	57.903	ug/L	99
59) Bromoform	9.77	173	84292	48.975	ug/L #	98
60) Isopropylbenzene	9.97	105	425223	52.939	ug/L	99
61) 1,2,3-Trichloropropane	10.31	75	123302	61.885	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	357003	51.412	ug/L	98
63) 1,2,4-Trimethylbenzene	10.95	105	357905	52.222	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	216455	53.409	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	217746	53.154	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	221156	53.483	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	30161	45.932	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	165296	50.313	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	133594	46.898	ug/L	99
71) Naphthalene	13.55	128	313601	43.437	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	144256	50.323	ug/L	99

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

