

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101419\
 Data File : VV013155.D
 Acq On : 14 Oct 2019 20:54
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 10:48:10 AM

Quant Time: Oct 15 07:45:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 05:07:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	742551	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	712439	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	356515	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	192937	41.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.22%
7) Chloroethane-d5	1.58	69	173332	45.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.10%
11) 1,1-Dichloroethene-d2	2.13	63	349666	39.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.00%
21) 2-Butanone-d5	3.97	46	375940	106.52	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.52%
24) Chloroform-d	4.40	84	451418	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
26) 1,2-Dichloroethane-d4	5.08	65	283585	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
32) Benzene-d6	5.10	84	919589	48.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.76%
36) 1,2-Dichloropropane-d6	6.12	67	290204	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.46%
41) Toluene-d8	7.36	98	835421	49.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.22%
43) trans-1,3-Dichloropropene-	7.66	79	125299	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.14	63	244278	103.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.09%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	384719	50.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.12%
64) 1,2-Dichlorobenzene-d4	11.67	152	331313	47.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	293278	50.917 ug/L	100
3) Chloromethane	1.25	50	328051	50.051 ug/L	100
5) Vinyl chloride	1.32	62	315650	50.130 ug/L	100
6) Bromomethane	1.53	94	196127	60.876 ug/L	98
8) Chloroethane	1.60	64	187430	50.044 ug/L	99
9) Trichlorofluoromethane	1.77	101	404843	50.108 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	215120	45.202 ug/L	94
12) 1,1-Dichloroethene	2.14	96	208452	45.266 ug/L	94
13) Acetone	2.24	43	270164m	83.371 ug/L	
14) Carbon disulfide	2.31	76	657291	49.217 ug/L	100
15) Methyl Acetate	2.47	43	303632	52.874 ug/L	100
16) Methylene chloride	2.53	84	286533	52.298 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	255643	51.172 ug/L	97
18) Methyl tert-butyl Ether	2.81	73	795436	52.751 ug/L	99
19) 1,1-Dichloroethane	3.23	63	493157	52.332 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	285202	50.442 ug/L	99
22) 2-Butanone	4.05	43	404713	98.122 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	150770	52.503	ug/L	99
25) Chloroform	4.42	83	501692	52.837	ug/L	98
27) 1,2-Dichloroethane	5.18	62	383702	52.718	ug/L	99
29) Cyclohexane	4.72	56	436609	51.171	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	404180	51.128	ug/L	99
31) Carbon tetrachloride	4.87	117	359819	51.224	ug/L	99
33) Benzene	5.14	78	1128522	52.007	ug/L	100
34) Trichloroethene	5.96	95	296781	51.367	ug/L	99
35) Methylcyclohexane	6.17	83	448530	51.321	ug/L	99
37) 1,2-Dichloropropane	6.22	63	291836	51.938	ug/L	100
38) Bromodichloromethane	6.55	83	364443	50.974	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	417884	50.285	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	810644	110.210	ug/L	99
42) Toluene	7.43	91	1185692	53.077	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	362760	50.356	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	278540	52.213	ug/L	97
46) Tetrachloroethene	8.02	164	234008	51.159	ug/L	97
48) 2-Hexanone	8.19	43	637214	112.029	ug/L	99
49) Dibromochloromethane	8.29	129	297230	51.123	ug/L	100
50) 1,2-Dibromoethane	8.40	107	288684	51.776	ug/L	98
51) Chlorobenzene	8.92	112	750440	51.226	ug/L	99
52) Ethylbenzene	9.05	91	1266232	53.066	ug/L	99
53) m,p-Xylene	9.18	106	486242	54.164	ug/L	99
54) o-xylene	9.59	106	471096	52.378	ug/L	99
55) Styrene	9.60	104	810781	54.892	ug/L	99
56) Isopropylbenzene	9.97	105	1233561	53.413	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	387775	50.001	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	357236	52.223	ug/L	99
61) Bromoform	9.77	173	216433	48.244	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	575762	49.940	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	577686	49.897	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	581309	49.530	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	82680	48.435	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	394581	47.990	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	340107	48.227	ug/L	99
69) Naphthalene	13.55	128	1010037	51.988	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	386547	51.241	ug/L	99

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

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