

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101519\
 Data File : VV013157.D
 Acq On : 15 Oct 2019 09:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05075

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:25:13 AM

Quant Time: Oct 15 18:14:20 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	727178	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	708024	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	361672	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	267338	58.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.32%
7) Chloroethane-d5	1.58	69	213703	56.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.44%
11) 1,1-Dichloroethene-d2	2.13	63	459691	53.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.04%
21) 2-Butanone-d5	3.96	46	324102	93.78	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.78%
24) Chloroform-d	4.40	84	499114	56.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.80%
26) 1,2-Dichloroethane-d4	5.08	65	305112	55.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.86%
32) Benzene-d6	5.09	84	1037468	54.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.84%
36) 1,2-Dichloropropane-d6	6.11	67	315492	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.62%
41) Toluene-d8	7.36	98	967360	57.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.44%
43) trans-1,3-Dichloropropene-	7.66	79	140503	52.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.82%
47) 2-Hexanone-d5	8.13	63	223405	94.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	393843	51.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.12%
64) 1,2-Dichlorobenzene-d4	11.67	152	368337	51.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	295256	52.344	ug/L	98
3) Chloromethane	1.25	50	316635	49.330	ug/L	98
5) Vinyl chloride	1.32	62	307374	49.847	ug/L	99
6) Bromomethane	1.53	94	189363	60.019	ug/L	98
8) Chloroethane	1.60	64	183092	49.919	ug/L	99
9) Trichlorofluoromethane	1.77	101	407748	51.534	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	240538	51.611	ug/L	97
12) 1,1-Dichloroethene	2.14	96	226272	50.175	ug/L	92
13) Acetone	2.23	43	395571m	124.652	ug/L	
14) Carbon disulfide	2.31	76	666423	50.956	ug/L	100
15) Methyl Acetate	2.47	43	248645	44.214	ug/L	96
16) Methylene chloride	2.53	84	278120	51.835	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	251275	51.361	ug/L	97
18) Methyl tert-butyl Ether	2.81	73	740651	50.156	ug/L	99
19) 1,1-Dichloroethane	3.23	63	475248	51.498	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	272718	49.254	ug/L	100
22) 2-Butanone	4.05	43	458128	113.420	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	145236	51.645	uq/L	98
25) Chloroform	4.42	83	486356	52.305	uq/L	99
27) 1,2-Dichloroethane	5.18	62	365362	51.259	uq/L	100
29) Cyclohexane	4.72	56	423897	49.991	uq/L	100
30) 1,1,1-Trichloroethane	4.65	97	397041	50.538	uq/L	99
31) Carbon tetrachloride	4.87	117	357256	51.176	uq/L	100
33) Benzene	5.14	78	1099468	50.984	uq/L	100
34) Trichloroethene	5.96	95	296114	51.571	uq/L	99
35) Methylcyclohexane	6.17	83	459498	52.904	uq/L	99
37) 1,2-Dichloropropane	6.22	63	281597	50.428	uq/L	100
38) Bromodichloromethane	6.55	83	357182	50.270	uq/L	99
39) cis-1,3-Dichloropropene	7.07	75	410357	49.687	uq/L	99
40) 4-Methyl-2-pentanone	7.27	43	750367	102.651	uq/L	98
42) Toluene	7.43	91	1174538	52.906	uq/L	99
44) trans-1,3-Dichloropropene	7.69	75	362969	50.700	uq/L	100
45) 1,1,2-Trichloroethane	7.88	97	269630	50.858	uq/L	98
46) Tetrachloroethene	8.02	164	241069	53.031	uq/L	99
48) 2-Hexanone	8.18	43	689347	121.951	uq/L	99
49) Dibromochloromethane	8.29	129	294865	51.032	uq/L	99
50) 1,2-Dibromoethane	8.39	107	280493	50.620	uq/L	100
51) Chlorobenzene	8.92	112	739205	50.774	uq/L	99
52) Ethylbenzene	9.05	91	1253237	52.849	uq/L	100
53) m,p-Xylene	9.18	106	487118	54.600	uq/L	100
54) o-xylene	9.59	106	463590	51.865	uq/L	99
55) Styrene	9.60	104	818832	55.783	uq/L	97
56) Isopropylbenzene	9.97	105	1222409	53.260	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	374903	48.643	uq/L	98
59) 1,2,3-Trichloropropane	10.32	75	342088	50.320	uq/L	99
61) Bromoform	9.77	173	217633	47.820	uq/L	99
62) 1,3-Dichlorobenzene	11.22	146	582238	49.781	uq/L	99
63) 1,4-Dichlorobenzene	11.31	146	593596	50.541	uq/L	100
65) 1,2-Dichlorobenzene	11.68	146	591087	49.645	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	77865	44.964	uq/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	410040	49.159	uq/L	100
68) 1,2,4-trichlorobenzene	13.31	180	342146	47.825	uq/L	100
69) Naphthalene	13.55	128	939578	47.672	uq/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	381336	49.830	uq/L	100

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

