

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102319\
 Data File : VV013313.D
 Acq On : 23 Oct 2019 22:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Quant Time: Oct 24 04:22:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 24 04:17:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1231238	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1183667	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	640654	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	399970	49.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	320078	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.62%
11) 1,1-Dichloroethene-d2	2.13	63	647261	54.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.40%
21) 2-Butanone-d5	3.93	46	577611	105.62	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.62%
24) Chloroform-d	4.40	84	859623	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.76%
26) 1,2-Dichloroethane-d4	5.08	65	513533	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
32) Benzene-d6	5.10	84	1764352	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
36) 1,2-Dichloropropane-d6	6.12	67	549128	48.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.32%
41) Toluene-d8	7.36	98	1658158	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	7.66	79	246979	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.20%
47) 2-Hexanone-d5	8.13	63	362351	106.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.02%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	720427	48.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	703902	47.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	512207	48.386	ug/L	100
3) Chloromethane	1.25	50	433942	54.399	ug/L	100
5) Vinyl chloride	1.33	62	447996	54.429	ug/L	100
6) Bromomethane	1.53	94	218697	51.832	ug/L	98
8) Chloroethane	1.60	64	252124	54.514	ug/L	100
9) Trichlorofluoromethane	1.77	101	607219	53.047	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	358639	55.431	ug/L	97
12) 1,1-Dichloroethene	2.14	96	342275	54.910	ug/L	92
13) Acetone	2.19	43	343873	85.095	ug/L	97
14) Carbon disulfide	2.32	76	1141134	52.843	ug/L	100
15) Methyl Acetate	2.46	43	435813	51.815	ug/L	98
16) Methylene chloride	2.54	84	462768	49.946	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	434975	50.559	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	1281767	51.431	ug/L	99
19) 1,1-Dichloroethane	3.23	63	783182	50.385	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	485828	52.106	ug/L	100
22) 2-Butanone	4.01	43	601657	103.835	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	257264	50.982	ug/L	99
25) Chloroform	4.42	83	806169	50.681	ug/L	99
27) 1,2-Dichloroethane	5.18	62	603718	52.077	ug/L	99
29) Cyclohexane	4.73	56	693736	50.580	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	677916	49.487	ug/L	99
31) Carbon tetrachloride	4.88	117	614220	49.732	ug/L	99
33) Benzene	5.15	78	1807934	50.287	ug/L	100
34) Trichloroethene	5.96	95	474625	50.424	ug/L	96
35) Methylcyclohexane	6.18	83	738218	51.599	ug/L	99
37) 1,2-Dichloropropane	6.22	63	461054	50.913	ug/L	100
38) Bromodichloromethane	6.55	83	599085	50.233	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	697152	51.492	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1146217	101.853	ug/L	99
42) Toluene	7.43	91	1927431	52.293	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	595316	51.412	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	449263	50.390	ug/L	99
46) Tetrachloroethene	8.02	164	424464	50.560	ug/L	97
48) 2-Hexanone	8.18	43	878184	96.137	ug/L	97
49) Dibromochloromethane	8.29	129	511433	50.634	ug/L	99
50) 1,2-Dibromoethane	8.39	107	476985	50.347	ug/L	99
51) Chlorobenzene	8.92	112	1271517	50.732	ug/L	98
52) Ethylbenzene	9.05	91	2090815	53.694	ug/L	100
53) m,p-Xylene	9.18	106	812252	53.710	ug/L	99
54) o-xylene	9.59	106	807298	54.740	ug/L	97
55) Styrene	9.60	104	1387007	55.454	ug/L	100
56) Isopropylbenzene	9.97	105	2066946	54.854	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	681834	49.671	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	555243	49.155	ug/L	99
61) Bromoform	9.77	173	401452	48.010	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1045317	50.540	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	1048640	48.810	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1048953	49.194	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	133878	44.761	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	794076	50.979	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	687062	52.554	ug/L	100
69) Naphthalene	13.55	128	1954571	55.210	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	742219	52.996	ug/L	100

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

