

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102419\
 Data File : VV013318.D
 Acq On : 24 Oct 2019 15:50
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Oct 25 13:28:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 24 16:16:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1201574	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1150056	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	635708	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	371085	46.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.18%
7) Chloroethane-d5	1.58	69	305980	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.54%
11) 1,1-Dichloroethene-d2	2.13	63	613322	52.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.24%
21) 2-Butanone-d5	3.92	46	580092	108.70	ug/L	-0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.70%
24) Chloroform-d	4.40	84	820751	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
26) 1,2-Dichloroethane-d4	5.08	65	487118	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
32) Benzene-d6	5.10	84	1686954	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
36) 1,2-Dichloropropane-d6	6.11	67	509020	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.86%
41) Toluene-d8	7.36	98	1564885	49.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.04%
43) trans-1,3-Dichloropropene-	7.66	79	242187	50.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.12%
47) 2-Hexanone-d5	8.13	63	419115	126.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.21%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	689542	47.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.16%
64) 1,2-Dichlorobenzene-d4	11.67	152	687330	47.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	514164	49.770	ug/L 100
3) Chloromethane	1.25	50	440370	56.568	ug/L 99
5) Vinyl chloride	1.32	62	432786	53.879	ug/L 99
6) Bromomethane	1.53	94	249639	60.626	ug/L 98
8) Chloroethane	1.60	64	250113	55.414	ug/L 99
9) Trichlorofluoromethane	1.77	101	610110	54.615	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	364519	57.730	ug/L 98
12) 1,1-Dichloroethene	2.14	96	335925	55.222	ug/L 99
13) Acetone	2.18	43	478579	121.354	ug/L 96
14) Carbon disulfide	2.32	76	1116386	52.973	ug/L 99
15) Methyl Acetate	2.45	43	438128	53.376	ug/L 97
16) Methylene chloride	2.53	84	456267	50.460	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	425679	50.700	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	1269215	52.185	ug/L 100
19) 1,1-Dichloroethane	3.23	63	765194	50.443	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	475771	52.287	ug/L 100
22) 2-Butanone	4.00	43	650408	115.019	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	253974	51.573	ug/L	97
25) Chloroform	4.42	83	787558	50.733	ug/L	99
27) 1,2-Dichloroethane	5.18	62	584957	51.704	ug/L	98
29) Cyclohexane	4.73	56	712868	53.494	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	674601	50.684	ug/L	100
31) Carbon tetrachloride	4.87	117	605011	50.418	ug/L	97
33) Benzene	5.14	78	1781851	51.010	ug/L	100
34) Trichloroethene	5.96	95	469805	51.370	ug/L	99
35) Methylcyclohexane	6.17	83	757430	54.489	ug/L	99
37) 1,2-Dichloropropane	6.22	63	448930	51.023	ug/L	99
38) Bromodichloromethane	6.55	83	579226	49.987	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	696800	52.970	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1127858	103.151	ug/L	98
42) Toluene	7.43	91	1908460	53.292	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	606104	53.874	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	442961	51.135	ug/L	99
46) Tetrachloroethene	8.02	164	430144	52.734	ug/L	98
48) 2-Hexanone	8.18	43	891166	100.409	ug/L	98
49) Dibromochloromethane	8.29	129	507443	51.707	ug/L	99
50) 1,2-Dibromoethane	8.39	107	468419	50.888	ug/L	98
51) Chlorobenzene	8.92	112	1256964	51.617	ug/L	98
52) Ethylbenzene	9.05	91	2085433	55.121	ug/L	99
53) m,p-Xylene	9.18	106	826687	56.262	ug/L	97
54) o-xylene	9.58	106	800600	55.872	ug/L	98
55) Styrene	9.60	104	1384165	56.957	ug/L	99
56) Isopropylbenzene	9.97	105	2087346	57.014	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	657507	49.299	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	537939	49.015	ug/L	99
61) Bromoform	9.77	173	400587	48.279	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1061348	51.714	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1069935	50.189	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1061355	50.163	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	135795	45.756	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	833288	53.912	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	719347	55.452	ug/L	100
69) Naphthalene	13.55	128	1965143	55.941	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	767301	55.213	ug/L	100

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

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