

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112919\
 Data File : VV013837.D
 Acq On : 29 Nov 2019 09:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05094

Quant Time: Nov 29 22:33:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 08 11:48:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	714083	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	688643	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	397725	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	214667	51.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.68%
7) Chloroethane-d5	1.58	69	193812	56.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.88%
11) 1,1-Dichloroethene-d2	2.13	63	406049	55.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.04%
21) 2-Butanone-d5	3.92	46	289649	93.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.68%
24) Chloroform-d	4.40	84	441900	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.07	65	280329	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.64%
32) Benzene-d6	5.09	84	907027	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
36) 1,2-Dichloropropane-d6	6.11	67	272848	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.60%
41) Toluene-d8	7.35	98	885150	52.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.76%
43) trans-1,3-Dichloropropene-	7.66	79	132845	48.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.04%
47) 2-Hexanone-d5	8.12	63	203949	94.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.36%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	373470	49.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.78%
64) 1,2-Dichlorobenzene-d4	11.67	152	372684	47.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	316313	53.224	ug/L	98
3) Chloromethane	1.25	50	262260	46.454	ug/L	98
5) Vinyl chloride	1.32	62	283412	53.724	ug/L	98
6) Bromomethane	1.53	94	109661	43.331	ug/L	98
8) Chloroethane	1.60	64	169160	57.235	ug/L	99
9) Trichlorofluoromethane	1.77	101	407211	58.151	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	228187	57.862	ug/L	99
12) 1,1-Dichloroethene	2.14	96	214289	56.926	ug/L	94
13) Acetone	2.18	43	327357	113.452	ug/L	99
14) Carbon disulfide	2.32	76	642277	48.753	ug/L	99
15) Methyl Acetate	2.45	43	244195	46.387	ug/L	98
16) Methylene chloride	2.53	84	249626	48.996	ug/L	94
17) trans-1,2-Dichloroethene	2.79	96	241671	51.558	ug/L	92
18) Methyl tert-butyl Ether	2.80	73	693236	48.502	ug/L	99
19) 1,1-Dichloroethane	3.23	63	436661	48.854	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	255326	49.889	ug/L	95
22) 2-Butanone	4.00	43	393596	102.978	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	143798	53.158	uq/L	90
25) Chloroform	4.42	83	465608	50.631	uq/L	98
27) 1,2-Dichloroethane	5.17	62	348054	49.389	uq/L	98
29) Cyclohexane	4.72	56	388047	49.048	uq/L	95
30) 1,1,1-Trichloroethane	4.65	97	393043	51.281	uq/L	98
31) Carbon tetrachloride	4.87	117	360265	52.712	uq/L	99
33) Benzene	5.14	78	997939	51.037	uq/L	100
34) Trichloroethene	5.96	95	265082	51.016	uq/L	98
35) Methylcyclohexane	6.17	83	418151	52.205	uq/L	98
37) 1,2-Dichloropropane	6.22	63	246837	47.960	uq/L	99
38) Bromodichloromethane	6.55	83	338416	49.998	uq/L	98
39) cis-1,3-Dichloropropene	7.06	75	386587	49.447	uq/L	100
40) 4-Methyl-2-pentanone	7.26	43	617657	93.097	uq/L	96
42) Toluene	7.42	91	1081503	53.077	uq/L	100
44) trans-1,3-Dichloropropene	7.69	75	349728	51.403	uq/L	100
45) 1,1,2-Trichloroethane	7.88	97	248847	51.635	uq/L	98
46) Tetrachloroethene	8.01	164	249983	56.371	uq/L	97
48) 2-Hexanone	8.17	43	507519	96.865	uq/L	97
49) Dibromochloromethane	8.28	129	291977	52.694	uq/L	98
50) 1,2-Dibromoethane	8.39	107	264941	52.390	uq/L	100
51) Chlorobenzene	8.92	112	711564	52.540	uq/L	97
52) Ethylbenzene	9.05	91	1153849	52.189	uq/L	99
53) m,p-Xylene	9.18	106	464878	55.399	uq/L	100
54) o-xylene	9.58	106	429948	53.421	uq/L	100
55) Styrene	9.60	104	747203	53.704	uq/L	100
56) Isopropylbenzene	9.97	105	1173079	55.507	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	380508	52.289	uq/L	99
59) 1,2,3-Trichloropropane	10.31	75	307114	50.683	uq/L	99
61) Bromoform	9.77	173	232896	49.938	uq/L	99
62) 1,3-Dichlorobenzene	11.22	146	613561	50.899	uq/L	99
63) 1,4-Dichlorobenzene	11.31	146	624914	50.051	uq/L	99
65) 1,2-Dichlorobenzene	11.68	146	602460	49.908	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	78268	47.003	uq/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	466011	49.482	uq/L	100
68) 1,2,4-trichlorobenzene	13.30	180	399567	48.430	uq/L	99
69) Naphthalene	13.55	128	1017476	46.153	uq/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	419838	47.915	uq/L	99

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

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