

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120619\
 Data File : VV013932.D
 Acq On : 06 Dec 2019 09:44
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Quant Time: Dec 07 01:37:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 06 13:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	635461	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	587921	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	314878	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	214937	58.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.96%
7) Chloroethane-d5	1.57	69	217399	56.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.34%
11) 1,1-Dichloroethene-d2	2.13	63	475152	58.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.94%
21) 2-Butanone-d5	3.92	46	246255	95.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.20%
24) Chloroform-d	4.39	84	412652	53.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.94%
26) 1,2-Dichloroethane-d4	5.07	65	247347	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.14%
32) Benzene-d6	5.09	84	813054	53.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.74%
36) 1,2-Dichloropropane-d6	6.11	67	240269	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.08%
41) Toluene-d8	7.35	98	741762	53.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.82%
43) trans-1,3-Dichloropropene-	7.66	79	108050	48.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.12%
47) 2-Hexanone-d5	8.12	63	148496	86.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.96%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	305012	46.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.12%
64) 1,2-Dichlorobenzene-d4	11.67	152	300499	48.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	303339	53.611	ug/L 98
3) Chloromethane	1.25	50	297333	57.479	ug/L 99
5) Vinyl chloride	1.32	62	290597	53.863	ug/L 99
6) Bromomethane	1.52	94	187880	57.598	ug/L 98
8) Chloroethane	1.59	64	197408	54.992	ug/L 99
9) Trichlorofluoromethane	1.77	101	471855	56.232	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	273084	57.140	ug/L 99
12) 1,1-Dichloroethene	2.14	96	253981	55.016	ug/L 96
13) Acetone	2.18	43	425696	112.296	ug/L 98
14) Carbon disulfide	2.31	76	619383	50.877	ug/L 99
15) Methyl Acetate	2.45	43	236667	50.657	ug/L 99
16) Methylene chloride	2.53	84	252260	52.473	ug/L 95
17) trans-1,2-Dichloroethene	2.79	96	236391	52.351	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	697610	53.236	ug/L 99
19) 1,1-Dichloroethane	3.22	63	426685	52.448	ug/L 98
20) cis-1,2-Dichloroethene	3.95	96	261533	53.483	ug/L 100
22) 2-Butanone	4.00	43	390535	107.332	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	144638	53.537	ug/L	97
25) Chloroform	4.41	83	453425	52.135	ug/L	99
27) 1,2-Dichloroethane	5.17	62	341953	54.565	ug/L	100
29) Cyclohexane	4.72	56	375737	54.701	ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	391187	55.116	ug/L	99
31) Carbon tetrachloride	4.87	117	359814	56.752	ug/L	98
33) Benzene	5.14	78	983174	56.155	ug/L	100
34) Trichloroethene	5.95	95	261227	55.629	ug/L	99
35) Methylcyclohexane	6.17	83	394383	55.975	ug/L	100
37) 1,2-Dichloropropane	6.21	63	239314	56.475	ug/L	100
38) Bromodichloromethane	6.55	83	326810	54.382	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	359205	53.846	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	565483	102.624	ug/L	98
42) Toluene	7.42	91	1006133	55.696	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	329374	54.525	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	239242	56.879	ug/L	96
46) Tetrachloroethene	8.01	164	235395	55.551	ug/L	97
48) 2-Hexanone	8.17	43	472427	107.178	ug/L	97
49) Dibromochloromethane	8.28	129	288650	56.140	ug/L	98
50) 1,2-Dibromoethane	8.39	107	261083	56.347	ug/L	97
51) Chlorobenzene	8.92	112	652085	52.322	ug/L	99
52) Ethylbenzene	9.05	91	1090663	54.767	ug/L	100
53) m,p-Xylene	9.17	106	432153	56.116	ug/L	97
54) o-xylene	9.58	106	411121	54.600	ug/L	99
55) Styrene	9.60	104	723933	55.725	ug/L	99
56) Isopropylbenzene	9.97	105	1127917	55.729	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	344137	50.257	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	293804	51.236	ug/L	99
61) Bromoform	9.77	173	219293	56.932	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	546757	52.919	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	545496	51.071	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	549856	53.204	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	69471	48.368	ug/L	98
67) 1,3,5-Trichlorobenzene	12.68	180	432128	51.503	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	327983	43.323	ug/L	98
69) Naphthalene	13.55	128	651475	32.774	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	353231	44.616	ug/L	99

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

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