

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121119\
 Data File : VV014024.D
 Acq On : 11 Dec 2019 20:46
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Quant Time: Dec 12 03:05:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 12 03:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	724262	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	615742	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	324894	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	205721	49.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.22%
7) Chloroethane-d5	1.55	69	188876	43.20	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.12	63	391826	42.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.60%
21) 2-Butanone-d5	3.92	46	253389	85.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.94%
24) Chloroform-d	4.40	84	404309	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
26) 1,2-Dichloroethane-d4	5.07	65	243261	43.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.28%
32) Benzene-d6	5.09	84	800351	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.32%
36) 1,2-Dichloropropane-d6	6.11	67	244892	51.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.26%
41) Toluene-d8	7.35	98	684929	47.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.18%
43) trans-1,3-Dichloropropene-	7.66	79	103556	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
47) 2-Hexanone-d5	8.13	63	137575	76.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.93%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	301517	43.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.96%
64) 1,2-Dichlorobenzene-d4	11.67	152	317208	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	214485	33.259	ug/L 98
3) Chloromethane	1.25	50	260500	44.184	ug/L 100
5) Vinyl chloride	1.32	62	290378	47.223	ug/L 98
6) Bromomethane	1.51	94	135756	36.516	ug/L 99
8) Chloroethane	1.58	64	175386	42.867	ug/L 98
9) Trichlorofluoromethane	1.75	101	394527	41.252	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	221151	40.600	ug/L 98
12) 1,1-Dichloroethene	2.13	96	215091	40.880	ug/L 94
13) Acetone	2.18	43	224360	51.928	ug/L 98
14) Carbon disulfide	2.31	76	500022	36.036	ug/L 100
15) Methyl Acetate	2.45	43	226701	42.575	ug/L 99
16) Methylene chloride	2.53	84	232449	42.424	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	210448	40.891	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	666589	44.632	ug/L 99
19) 1,1-Dichloroethane	3.22	63	406656	43.857	ug/L 98
20) cis-1,2-Dichloroethene	3.95	96	240295	43.115	ug/L 98
22) 2-Butanone	4.01	43	317910	76.659	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	135076	43.867	uq/L	97
25) Chloroform	4.42	83	472133	47.630	uq/L	99
27) 1,2-Dichloroethane	5.17	62	316697	44.339	uq/L	99
29) Cyclohexane	4.72	56	379487	52.751	uq/L	98
30) 1,1,1-Trichloroethane	4.65	97	399246	53.710	uq/L	99
31) Carbon tetrachloride	4.87	117	323770	48.760	uq/L	99
33) Benzene	5.14	78	906416	49.431	uq/L	100
34) Trichloroethene	5.95	95	271445	55.193	uq/L	99
35) Methylcyclohexane	6.17	83	337811	45.779	uq/L	99
37) 1,2-Dichloropropane	6.22	63	236218	53.226	uq/L	99
38) Bromodichloromethane	6.55	83	304679	48.409	uq/L	100
39) cis-1,3-Dichloropropene	7.06	75	318208	45.545	uq/L	99
40) 4-Methyl-2-pentanone	7.26	43	565424	97.977	uq/L	99
42) Toluene	7.42	91	929163	49.111	uq/L	98
44) trans-1,3-Dichloropropene	7.69	75	286632	45.305	uq/L	98
45) 1,1,2-Trichloroethane	7.88	97	226185	51.345	uq/L	99
46) Tetrachloroethene	8.01	164	195302	44.007	uq/L	94
48) 2-Hexanone	8.18	43	436700	94.596	uq/L	97
49) Dibromochloromethane	8.29	129	251488	46.702	uq/L	100
50) 1,2-Dibromoethane	8.39	107	238241	49.094	uq/L	98
51) Chlorobenzene	8.92	112	617944	47.342	uq/L	99
52) Ethylbenzene	9.05	91	1016683	48.746	uq/L	99
53) m,p-Xylene	9.18	106	402967	49.962	uq/L	94
54) o-xylene	9.58	106	412906	52.359	uq/L	100
55) Styrene	9.60	104	693525	50.973	uq/L	98
56) Isopropylbenzene	9.97	105	1009362	47.618	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	320573	44.701	uq/L	96
59) 1,2,3-Trichloropropane	10.32	75	299662	49.896	uq/L	100
61) Bromoform	9.77	173	206510	51.961	uq/L	98
62) 1,3-Dichlorobenzene	11.22	146	514230	48.237	uq/L	99
63) 1,4-Dichlorobenzene	11.31	146	494288	44.850	uq/L	98
65) 1,2-Dichlorobenzene	11.68	146	528144	49.527	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	76553	51.655	uq/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	429307	49.590	uq/L	100
68) 1,2,4-trichlorobenzene	13.31	180	296121	37.909	uq/L	99
69) Naphthalene	13.55	128	474812	23.150	uq/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	299862	36.707	uq/L	99

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

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