

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120619\
 Data File : VW014258.D
 Acq On : 06 Dec 2019 19:02
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Dec 07 04:14:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 07 04:10:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1185602	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1083451	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	542651	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	437949	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.56%
7) Chloroethane-d5	2.89	69	342039	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.48%
10) 1,1-Dichloroethene-d2	4.02	63	797375	25.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.60%
20) 2-Butanone-d5	7.07	46	259904	55.55	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.10%
24) Chloroform-d	7.65	84	794764	26.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.32%
26) 1,2-Dichloroethane-d4	8.30	65	421220	26.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.44%
29) Benzene-d6	8.27	84	1663362	26.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.80%
33) 1,2-Dichloropropane-d6	9.27	67	515128	26.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.48%
37) Toluene-d8	10.32	98	1504227	26.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.80%
38) trans-1,3-Dichloropropene-	10.57	79	214434	26.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.64%
39) 2-Hexanone-d5	10.92	63	216419	55.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	427538	26.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	519232	25.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	269491	23.899	ug/L 100
3) Chloromethane	2.21	50	252980	22.316	ug/L 99
5) Vinyl chloride	2.36	62	422877	25.194	ug/L 94
6) Bromomethane	2.78	94	259032	25.020	ug/L 99
8) Chloroethane	2.92	64	244985	25.548	ug/L 93
9) Trichlorofluoromethane	3.25	101	203234	24.459	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	392908	25.125	ug/L 95
12) 1,1-Dichloroethene	4.04	96	391894	24.753	ug/L 94
13) Acetone	4.12	43	222384	49.301	ug/L 99
14) Carbon disulfide	4.38	76	1206416	24.845	ug/L 98
15) Methyl Acetate	4.66	43	212644	24.923	ug/L 98
16) Methylene chloride	4.92	84	443964	24.427	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	506147	24.242	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	413681	24.399	ug/L 94
19) 1,1-Dichloroethane	6.21	63	755946	24.816	ug/L 99
21) 2-Butanone	7.16	43	315103	52.032	ug/L 97
22) cis-1,2-Dichloroethene	7.16	96	449620	24.922	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	201457	24.276	ug/L	88
25) Chloroform	7.67	83	734900	24.827	ug/L	100
27) 1,2-Dichloroethane	8.40	62	482951	24.915	ug/L	96
30) Cyclohexane	7.95	56	699721	25.874	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	557241	25.610	ug/L	98
32) Carbon tetrachloride	8.07	117	517033	25.043	ug/L	99
34) Benzene	8.32	78	1728295	25.193	ug/L	100
35) Trichloroethene	9.09	95	429358	24.461	ug/L	96
36) Methylcyclohexane	9.33	83	737981	25.021	ug/L	97
40) 1,2-Dichloropropane	9.37	63	437237	24.809	ug/L	99
41) Bromodichloromethane	9.64	83	526640	24.588	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	666768	25.263	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	621176	53.450	ug/L	98
44) Toluene	10.38	91	1828813	25.428	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	533144	24.954	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	325754	24.666	ug/L	97
47) Tetrachloroethene	10.86	164	355087	24.272	ug/L	97
49) 2-Hexanone	10.96	43	434571	52.523	ug/L	97
50) Dibromochloromethane	11.12	129	362945	24.486	ug/L	100
51) 1,2-Dibromoethane	11.23	107	307407	24.574	ug/L #	93
52) Chlorobenzene	11.66	112	1131790	24.349	ug/L	95
53) Ethylbenzene	11.73	91	1998853	25.613	ug/L	98
54) m,p-Xylene	11.83	106	763270	25.425	ug/L	98
55) o-xylene	12.16	106	723496	25.409	ug/L	99
56) Styrene	12.18	104	1262646	25.921	ug/L	98
57) Isopropylbenzene	12.46	105	1888412	25.546	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	408962	24.949	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	302371	24.825	ug/L	99
62) Bromoform	12.35	173	213849	23.219	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	885288	24.272	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	888280	23.971	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	818260	24.125	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	62958	24.062	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	632520	24.104	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	510101	24.935	ug/L	99
69) Naphthalene	15.36	128	994990	25.864	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	472778	24.644	ug/L	99

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

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