

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012020\
 Data File : VW014702.D
 Acq On : 20 Jan 2020 20:34
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02521

Quant Time: Jan 21 03:43:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 21 03:38:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1162454	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1027423	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	498249	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	302620	18.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.88%
7) Chloroethane-d5	2.89	69	272108	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.16%
10) 1,1-Dichloroethene-d2	4.03	63	664116	22.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.64%
20) 2-Butanone-d5	7.07	46	220663	56.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.18%
24) Chloroform-d	7.65	84	678126	25.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.44%
26) 1,2-Dichloroethane-d4	8.30	65	348710	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.52%
29) Benzene-d6	8.27	84	1416195	25.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.68%
33) 1,2-Dichloropropane-d6	9.27	67	442845	26.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.84%
37) Toluene-d8	10.32	98	1295267	26.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.60%
38) trans-1,3-Dichloropropene-	10.57	79	174390	25.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.80%
39) 2-Hexanone-d5	10.92	63	175152	62.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	342846	27.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	454129	27.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	202123	19.437 ug/L	95
3) Chloromethane	2.21	50	232727	19.796 ug/L	99
5) Vinyl chloride	2.36	62	379745	22.701 ug/L	99
6) Bromomethane	2.78	94	226807	23.219 ug/L	98
8) Chloroethane	2.92	64	224430	23.993 ug/L	99
9) Trichlorofluoromethane	3.25	101	183952	20.790 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	353939	23.302 ug/L	99
12) 1,1-Dichloroethene	4.04	96	356359	23.959 ug/L	97
13) Acetone	4.12	43	170708	31.619 ug/L	96
14) Carbon disulfide	4.39	76	1024501	22.310 ug/L	99
15) Methyl Acetate	4.67	43	184465	25.320 ug/L	99
16) Methylene chloride	4.91	84	415134	21.900 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	551691	28.817 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	382076	24.385 ug/L	99
19) 1,1-Dichloroethane	6.21	63	715817	25.273 ug/L	99
21) 2-Butanone	7.17	43	259897	44.868 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	424422	25.734 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	182231	25.524	ug/L	96
25) Chloroform	7.67	83	683887	25.244	ug/L	100
27) 1,2-Dichloroethane	8.40	62	432550	24.596	ug/L	100
30) Cyclohexane	7.95	56	664904	25.299	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	525205	24.920	ug/L	99
32) Carbon tetrachloride	8.07	117	477103	24.297	ug/L	98
34) Benzene	8.32	78	1602748	25.922	ug/L	100
35) Trichloroethene	9.09	95	400798	25.117	ug/L	99
36) Methylcyclohexane	9.33	83	687813	24.569	ug/L	99
40) 1,2-Dichloropropane	9.37	63	407053	26.011	ug/L	100
41) Bromodichloromethane	9.64	83	483403	25.680	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	621190	26.573	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	536818	53.436	ug/L	100
44) Toluene	10.38	91	1690161	26.158	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	485011	25.947	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	290152	26.176	ug/L	98
47) Tetrachloroethene	10.86	164	331251	24.722	ug/L	99
49) 2-Hexanone	10.96	43	374224	54.551	ug/L	99
50) Dibromochloromethane	11.13	129	328641	26.111	ug/L	95
51) 1,2-Dibromoethane	11.23	107	274887	26.271	ug/L	97
52) Chlorobenzene	11.65	112	1053023	25.781	ug/L	99
53) Ethylbenzene	11.73	91	1854778	26.108	ug/L	100
54) m,p-Xylene	11.84	106	709097	26.376	ug/L	94
55) o-xylene	12.16	106	674629	26.567	ug/L	99
56) Styrene	12.18	104	1170475	27.386	ug/L	97
57) Isopropylbenzene	12.46	105	1802743	26.689	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	350722	26.060	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	263337	26.120	ug/L	100
62) Bromoform	12.35	173	195923	26.315	ug/L	97
63) 1,3-Dichlorobenzene	13.49	146	823822	26.116	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	817421	25.699	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	754334	26.675	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	59384	28.358	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	637280	27.272	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	531347	30.334	ug/L	100
69) Naphthalene	15.36	128	1232068	40.741	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	482147	30.375	ug/L	99

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

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