

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022820\
 Data File : VW015083.D
 Acq On : 28 Feb 2020 16:34
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Feb 29 05:32:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 29 04:55:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	660034	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	602274	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	268164	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	315781	19.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.48%
7) Chloroethane-d5	2.89	69	244980	20.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.36%
10) 1,1-Dichloroethene-d2	4.02	63	566381	22.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.16%
20) 2-Butanone-d5	7.07	46	132266	47.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.86%
24) Chloroform-d	7.65	84	501732	23.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	8.31	65	278173	22.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.72%
29) Benzene-d6	8.27	84	1002149	24.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.84%
33) 1,2-Dichloropropane-d6	9.27	67	322794	23.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.20%
37) Toluene-d8	10.32	98	865024	25.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.24%
38) trans-1,3-Dichloropropene-	10.57	79	118428	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.92	63	95019	51.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	218960	24.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	226078	23.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.04%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	121672	21.604	ug/L 96
3) Chloromethane	2.21	50	254984	19.750	ug/L 97
5) Vinyl chloride	2.36	62	350483	20.982	ug/L 100
6) Bromomethane	2.78	94	162727	21.700	ug/L 96
8) Chloroethane	2.93	64	196056	21.571	ug/L 98
9) Trichlorofluoromethane	3.26	101	184202	24.469	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	251961	24.301	ug/L 99
12) 1,1-Dichloroethene	4.04	96	233039	23.608	ug/L 83
13) Acetone	4.12	43	164961	50.541	ug/L 99
14) Carbon disulfide	4.38	76	818803	22.166	ug/L 99
15) Methyl Acetate	4.67	43	124070	22.575	ug/L 99
16) Methylene chloride	4.91	84	267937	21.932	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	273127	22.859	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	239196	23.454	ug/L 94
19) 1,1-Dichloroethane	6.21	63	532881	23.427	ug/L 98
21) 2-Butanone	7.17	43	181060	47.174	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	246679	23.768	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	94155	23.320	ug/L	96
25) Chloroform	7.67	83	482652	23.382	ug/L	99
27) 1,2-Dichloroethane	8.40	62	331571	23.476	ug/L	99
30) Cyclohexane	7.95	56	506717	25.164	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	371048	23.888	ug/L	99
32) Carbon tetrachloride	8.06	117	329570	23.678	ug/L	99
34) Benzene	8.32	78	1126972	25.155	ug/L	100
35) Trichloroethene	9.09	95	261206	24.102	ug/L	99
36) Methylcyclohexane	9.34	83	481755	25.887	ug/L	99
40) 1,2-Dichloropropane	9.37	63	305437	24.547	ug/L	100
41) Bromodichloromethane	9.64	83	331427	23.745	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	397916	24.541	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	342857	49.264	ug/L	99
44) Toluene	10.38	91	1135554	26.098	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	322318	24.595	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	169685	24.233	ug/L	98
47) Tetrachloroethene	10.86	164	166783	23.878	ug/L	97
49) 2-Hexanone	10.96	43	273627	54.231	ug/L	97
50) Dibromochloromethane	11.13	129	175575	23.561	ug/L	99
51) 1,2-Dibromoethane	11.23	107	147899	24.236	ug/L	99
52) Chlorobenzene	11.65	112	616521	24.090	ug/L	98
53) Ethylbenzene	11.73	91	1225712	25.787	ug/L	98
54) m,p-Xylene	11.83	106	437409	26.302	ug/L	100
55) o-xylene	12.16	106	399744	25.798	ug/L	100
56) Styrene	12.18	104	703501	26.507	ug/L	98
57) Isopropylbenzene	12.46	105	1102007	26.114	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	212550	24.058	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	158965	23.410	ug/L	99
62) Bromoform	12.35	173	83987	22.282	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	415793	23.767	ug/L	100
64) 1,4-Dichlorobenzene	13.57	146	420335	23.336	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	374743	23.652	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	32074	22.930	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	268771	22.911	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	194713	22.710	ug/L	98
69) Naphthalene	15.36	128	169973	22.331	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	181020	23.523	ug/L	99

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

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