

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022720\
 Data File : VW015072.D
 Acq On : 27 Feb 2020 20:17
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02509

Quant Time: Feb 28 04:03:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 28 03:59:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	619931	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	563494	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	252111	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	320550	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
7) Chloroethane-d5	2.89	69	242355	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.72%
10) 1,1-Dichloroethene-d2	4.03	63	561955	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	7.07	46	136084	52.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.00%
24) Chloroform-d	7.65	84	497948	24.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	8.31	65	271842	23.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.40%
29) Benzene-d6	8.27	84	985413	25.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.80%
33) 1,2-Dichloropropane-d6	9.27	67	325790	25.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.52%
37) Toluene-d8	10.32	98	849194	26.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.16%
38) trans-1,3-Dichloropropene-	10.58	79	116968	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.64%
39) 2-Hexanone-d5	10.92	63	93063	54.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	212011	25.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	226302	24.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	109167	20.638	ug/L 93
3) Chloromethane	2.21	50	248501	20.493	ug/L 99
5) Vinyl chloride	2.37	62	331302	21.117	ug/L 100
6) Bromomethane	2.78	94	152279	21.621	ug/L 98
8) Chloroethane	2.93	64	187001	21.905	ug/L 97
9) Trichlorofluoromethane	3.26	101	160551	22.707	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	228779	23.493	ug/L # 74
12) 1,1-Dichloroethene	4.04	96	216333	23.333	ug/L 85
13) Acetone	4.12	43	122244	39.876	ug/L 97
14) Carbon disulfide	4.39	76	763847	22.016	ug/L 99
15) Methyl Acetate	4.67	43	119986	23.244	ug/L 99
16) Methylene chloride	4.92	84	245101	21.360	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	275839	24.579	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	224542	23.441	ug/L 99
19) 1,1-Dichloroethane	6.21	63	500178	23.412	ug/L 99
21) 2-Butanone	7.17	43	161535	44.810	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	233006	23.902	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86342	22.769	ug/L	98
25) Chloroform	7.67	83	448903	23.153	ug/L	99
27) 1,2-Dichloroethane	8.40	62	306571	23.110	ug/L	99
30) Cyclohexane	7.96	56	473661	25.141	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	349953	24.081	ug/L	99
32) Carbon tetrachloride	8.07	117	308277	23.673	ug/L	100
34) Benzene	8.32	78	1048953	25.025	ug/L	100
35) Trichloroethene	9.09	95	240834	23.752	ug/L	99
36) Methylcyclohexane	9.34	83	452553	25.992	ug/L	98
40) 1,2-Dichloropropane	9.37	63	285764	24.546	ug/L	100
41) Bromodichloromethane	9.64	83	314036	24.048	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	374060	24.657	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	327502	50.296	ug/L	99
44) Toluene	10.38	91	1052635	25.857	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	300000	24.468	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	155632	23.756	ug/L	98
47) Tetrachloroethene	10.86	164	154163	23.590	ug/L	97
49) 2-Hexanone	10.97	43	233275	49.416	ug/L	98
50) Dibromochloromethane	11.13	129	165198	23.694	ug/L	98
51) 1,2-Dibromoethane	11.23	107	137396	24.064	ug/L	95
52) Chlorobenzene	11.65	112	573470	23.950	ug/L	98
53) Ethylbenzene	11.73	91	1144082	25.726	ug/L	100
54) m,p-Xylene	11.84	106	406425	26.121	ug/L	96
55) o-xylene	12.16	106	376566	25.974	ug/L	98
56) Styrene	12.18	104	653077	26.301	ug/L	97
57) Isopropylbenzene	12.46	105	1042968	26.416	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	198498	24.014	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	147507	23.217	ug/L	100
62) Bromoform	12.35	173	78476	22.146	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	395428	24.043	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	395497	23.355	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	353258	23.716	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	28819	21.915	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	262224	23.776	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	188957	23.442	ug/L	100
69) Naphthalene	15.36	128	160725	22.461	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	172611	23.858	ug/L	99

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

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