

Data File : VW015015.D
Acq On : 20 Feb 2020 13:01
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Quant Time: Feb 21 01:56:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 20 15:58:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	765779	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	705894	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	323778	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	283645	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.48%
7) Chloroethane-d5	2.89	69	250125	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
10) 1,1-Dichloroethene-d2	4.02	63	579115	25.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.00%
20) 2-Butanone-d5	7.07	46	223782	62.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.80%
24) Chloroform-d	7.64	84	588303	27.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.24%
26) 1,2-Dichloroethane-d4	8.30	65	349990	29.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.36%
29) Benzene-d6	8.27	84	1124070	24.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.04%
33) 1,2-Dichloropropane-d6	9.27	67	396237	26.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.16%
37) Toluene-d8	10.32	98	963377	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
38) trans-1,3-Dichloropropene-	10.57	79	152246	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.24%
39) 2-Hexanone-d5	10.92	63	159489	59.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	314558	28.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	284327	22.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	143636	18.245 ug/L	85
3) Chloromethane	2.21	50	285713	23.950 ug/L	99
5) Vinyl chloride	2.36	62	383012	24.589 ug/L	100
6) Bromomethane	2.78	94	168236	21.600 ug/L	99
8) Chloroethane	2.92	64	214699	25.192 ug/L	99
9) Trichlorofluoromethane	3.26	101	174947	27.785 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	269173	24.217 ug/L	92
12) 1,1-Dichloroethene	4.04	96	251392	23.142 ug/L	89
13) Acetone	4.12	43	193120	52.587 ug/L	97
14) Carbon disulfide	4.38	76	776314	23.801 ug/L	100
15) Methyl Acetate	4.67	43	188144	31.133 ug/L	95
16) Methylene chloride	4.91	84	311181	22.305 ug/L	85
17) Methyl tert-butyl Ether	5.43	73	376854	26.555 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	258383	23.476 ug/L	84
19) 1,1-Dichloroethane	6.21	63	615769	27.615 ug/L	99
21) 2-Butanone	7.16	43	259589	60.374 ug/L	94
22) cis-1,2-Dichloroethene	7.16	96	283983	23.855 ug/L	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	111313m	22.790	ug/L	
25) Chloroform	7.67	83	553331	27.015	ug/L	99
27) 1,2-Dichloroethane	8.40	62	409245	28.980	ug/L	96
30) Cyclohexane	7.95	56	548801	26.093	ug/L	92
31) 1,1,1-Trichloroethane	7.87	97	414904	25.778	ug/L	96
32) Carbon tetrachloride	8.07	117	364358	25.183	ug/L	100
34) Benzene	8.32	78	1240019	25.546	ug/L	100
35) Trichloroethene	9.09	95	284138	23.615	ug/L	95
36) Methylcyclohexane	9.34	83	501015	23.904	ug/L	92
40) 1,2-Dichloropropane	9.37	63	356132	27.416	ug/L	99
41) Bromodichloromethane	9.64	83	397690	26.714	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	489437	26.534	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	525887	61.741	ug/L #	93
44) Toluene	10.38	91	1231947	25.000	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	406198	27.346	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	215288	25.176	ug/L	95
47) Tetrachloroethene	10.86	164	182649	20.659	ug/L	96
49) 2-Hexanone	10.96	43	380084	63.528	ug/L #	93
50) Dibromochloromethane	11.13	129	223488	24.317	ug/L	99
51) 1,2-Dibromoethane	11.23	107	190149	23.899	ug/L	99
52) Chlorobenzene	11.65	112	699678	23.223	ug/L	92
53) Ethylbenzene	11.73	91	1376493	25.533	ug/L	97
54) m,p-Xylene	11.84	106	481661	24.460	ug/L	96
55) o-xylene	12.16	106	449609	23.991	ug/L	89
56) Styrene	12.18	104	801529	25.305	ug/L	92
57) Isopropylbenzene	12.46	105	1261295	25.060	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.71	83	290471	27.214	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	218404	27.198	ug/L	100
62) Bromoform	12.35	173	113115	22.918	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	492698	22.527	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	505702	22.954	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	459583	22.974	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	46565	27.300	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.63	180	341673	21.813	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	269194	21.751	ug/L	98
69) Naphthalene	15.36	128	582988	23.948	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	250495	21.920	ug/L	99

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

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