

Data File : VW015641.D
Acq On : 19 Jun 2020 17:07
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Quant Time: Jun 20 00:46:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 20 00:44:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	303289	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	286136	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141929	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	51902	18.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.68%
7) Chloroethane-d5	2.90	69	66905	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.80%
10) 1,1-Dichloroethene-d2	4.02	63	146631	21.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.60%
20) 2-Butanone-d5	7.09	46	48540	53.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.98%
24) Chloroform-d	7.65	84	173841	24.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	8.31	65	97602	25.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.04%
29) Benzene-d6	8.27	84	311595	22.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.80%
33) 1,2-Dichloropropane-d6	9.27	67	98598	23.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.48%
37) Toluene-d8	10.32	98	302664	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.72%
38) trans-1,3-Dichloropropene-	10.58	79	39914	20.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.92%
39) 2-Hexanone-d5	10.93	63	39510	53.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88747	27.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	111978	23.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	60643	22.633 ug/L	98
3) Chloromethane	2.21	50	65949	22.359 ug/L	98
5) Vinyl chloride	2.37	62	114925	25.909 ug/L	99
6) Bromomethane	2.79	94	77212	26.782 ug/L	100
8) Chloroethane	2.93	64	73284	27.141 ug/L	95
9) Trichlorofluoromethane	3.26	101	94469	29.927 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	99257	26.512 ug/L	97
12) 1,1-Dichloroethene	4.04	96	91684	25.352 ug/L	91
13) Acetone	4.15	43	41430	59.059 ug/L	98
14) Carbon disulfide	4.39	76	255713	21.195 ug/L	99
15) Methyl Acetate	4.68	43	40755	26.853 ug/L	99
16) Methylene chloride	4.92	84	99553	26.745 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	147702	25.737 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	99942	25.787 ug/L	99
19) 1,1-Dichloroethane	6.21	63	184784	26.508 ug/L	97
21) 2-Butanone	7.18	43	54832	50.882 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	107851	26.676 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47413	27.195	ug/L	98
25) Chloroform	7.68	83	192901	27.482	ug/L	100
27) 1,2-Dichloroethane	8.40	62	132193	27.839	ug/L	98
30) Cyclohexane	7.96	56	167305	23.654	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	168892	26.384	ug/L	99
32) Carbon tetrachloride	8.07	117	152747	26.016	ug/L	99
34) Benzene	8.32	78	412998	25.810	ug/L	100
35) Trichloroethene	9.09	95	110690	25.752	ug/L	99
36) Methylcyclohexane	9.34	83	192091	25.058	ug/L	99
40) 1,2-Dichloropropane	9.37	63	103996	26.391	ug/L	100
41) Bromodichloromethane	9.65	83	135639	25.766	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	159752	25.334	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	121245	52.489	ug/L	100
44) Toluene	10.39	91	466016	26.731	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	141924	25.862	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	77368	28.064	ug/L	98
47) Tetrachloroethene	10.87	164	92312	27.093	ug/L	95
49) 2-Hexanone	10.97	43	85225	54.661	ug/L	99
50) Dibromochloromethane	11.13	129	89270	26.652	ug/L	99
51) 1,2-Dibromoethane	11.24	107	73068	27.608	ug/L	98
52) Chlorobenzene	11.66	112	296881	27.149	ug/L	99
53) Ethylbenzene	11.73	91	536034	26.777	ug/L	100
54) m,p-Xylene	11.84	106	200554	26.699	ug/L	94
55) o-xylene	12.17	106	192998	27.068	ug/L	98
56) Styrene	12.18	104	327095	26.848	ug/L	98
57) Isopropylbenzene	12.46	105	538377	27.106	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	91651	28.716	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	69196	28.593	ug/L	100
62) Bromoform	12.35	173	49009	24.783	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	230502	26.540	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	228710	26.876	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	205495	27.228	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	14181	24.769	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	163544	27.199	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	129501	26.741	ug/L	99
69) Naphthalene	15.37	128	233048	26.503	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	111552	27.076	ug/L	99

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

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