

Data File : VW016121.D
Acq On : 10 Aug 2020 23:52
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Aug 11 01:21:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 11 01:19:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	400629	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	393201	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	186749	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	107407	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.48%
7) Chloroethane-d5	2.89	69	88462	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.84%
10) 1,1-Dichloroethene-d2	4.01	63	245699	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	7.09	46	69721	53.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.68%
24) Chloroform-d	7.65	84	273265	25.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.68%
26) 1,2-Dichloroethane-d4	8.31	65	150383	26.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.32%
29) Benzene-d6	8.27	84	528443	24.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.84%
33) 1,2-Dichloropropane-d6	9.27	67	152764	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
37) Toluene-d8	10.32	98	490247	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.96%
38) trans-1,3-Dichloropropene-	10.58	79	69759	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.72%
39) 2-Hexanone-d5	10.93	63	59574	54.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137051	26.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	169963	25.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.72%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	100832	24.914	ug/L	94
3) Chloromethane	2.21	50	91872	22.859	ug/L	97
5) Vinyl chloride	2.37	62	124245	23.292	ug/L	98
6) Bromomethane	2.78	94	76866	23.008	ug/L	99
8) Chloroethane	2.92	64	70488	23.467	ug/L	98
9) Trichlorofluoromethane	3.26	101	79834	20.967	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	127944	23.777	ug/L	99
12) 1,1-Dichloroethene	4.03	96	121767	23.681	ug/L	93
13) Acetone	4.14	43	44182	44.685	ug/L	100
14) Carbon disulfide	4.38	76	382757	23.714	ug/L	99
15) Methyl Acetate	4.68	43	60889	26.191	ug/L	100
16) Methylene chloride	4.92	84	143030	22.610	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	185341	25.436	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	134732	24.910	ug/L	89
19) 1,1-Dichloroethane	6.21	63	234057	24.458	ug/L	99
21) 2-Butanone	7.18	43	75738	48.332	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	142783	25.024	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66727	25.480	ug/L	97
25) Chloroform	7.68	83	252027	24.754	ug/L	100
27) 1,2-Dichloroethane	8.40	62	172118	25.378	ug/L	99
30) Cyclohexane	7.96	56	195645	22.868	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	204105	22.590	ug/L	99
32) Carbon tetrachloride	8.07	117	195147	22.836	ug/L	100
34) Benzene	8.32	78	545963	24.078	ug/L	100
35) Trichloroethene	9.09	95	140215	22.997	ug/L	99
36) Methylcyclohexane	9.34	83	230294	22.929	ug/L	99
40) 1,2-Dichloropropane	9.37	63	133504	23.976	ug/L	99
41) Bromodichloromethane	9.65	83	183734	24.020	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	208532	24.591	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	169673	50.662	ug/L	99
44) Toluene	10.39	91	585213	24.449	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	187539	24.619	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	107130	24.442	ug/L	98
47) Tetrachloroethene	10.87	164	103532	22.651	ug/L	95
49) 2-Hexanone	10.97	43	117648	52.059	ug/L	97
50) Dibromochloromethane	11.13	129	125736	24.356	ug/L	98
51) 1,2-Dibromoethane	11.24	107	104086	25.049	ug/L	98
52) Chlorobenzene	11.66	112	380441	24.022	ug/L	97
53) Ethylbenzene	11.73	91	664057	24.452	ug/L	100
54) m,p-Xylene	11.84	106	253257	24.791	ug/L	96
55) o-xylene	12.17	106	240812	25.026	ug/L	97
56) Styrene	12.18	104	424655	25.491	ug/L	99
57) Isopropylbenzene	12.46	105	638049	24.594	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	130831	25.582	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	97785	25.239	ug/L	100
62) Bromoform	12.35	173	68206	24.153	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	274007	23.230	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	280134	23.314	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	262725	24.294	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22748	23.988	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	183588	24.667	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	146577	24.299	ug/L	99
69) Naphthalene	15.37	128	338471	26.583	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	142605	26.022	ug/L	99

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

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