

Data File : VW011133.D
Acq On : 03 Jul 2019 09:21
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02515

Quant Time: Jul 03 23:17:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 03 05:51:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	381315	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	342602	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	166981	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	136340	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.68%
7) Chloroethane-d5	2.89	69	95197	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.20%
10) 1,1-Dichloroethene-d2	4.02	63	281829	22.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.44%
20) 2-Butanone-d5	7.07	46	117270	51.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
24) Chloroform-d	7.65	84	236956	22.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.68%
26) 1,2-Dichloroethane-d4	8.31	65	148500	23.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.28%
29) Benzene-d6	8.27	84	482898	22.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.52%
33) 1,2-Dichloropropane-d6	9.27	67	156723	22.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.20%
37) Toluene-d8	10.32	98	430377	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.52%
38) trans-1,3-Dichloropropene-	10.58	79	67645	23.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.60%
39) 2-Hexanone-d5	10.92	63	80434	51.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	139033	24.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	144630	22.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	116573	24.857 ug/L	96
3) Chloromethane	2.21	50	111802	21.958 ug/L	100
5) Vinyl chloride	2.36	62	154938	23.314 ug/L	99
6) Bromomethane	2.78	94	71915	23.130 ug/L	99
8) Chloroethane	2.92	64	80252	23.892 ug/L	99
9) Trichlorofluoromethane	3.25	101	57234	25.154 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118896	23.451 ug/L	99
12) 1,1-Dichloroethene	4.04	96	115658	23.081 ug/L	90
13) Acetone	4.12	43	108897	48.609 ug/L	98
14) Carbon disulfide	4.38	76	324265	22.621 ug/L	100
15) Methyl Acetate	4.67	43	92447	25.360 ug/L	100
16) Methylene chloride	4.92	84	121677	21.715 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	183965	23.673 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	115017	22.714 ug/L	98
19) 1,1-Dichloroethane	6.21	63	239367	23.285 ug/L	98
21) 2-Butanone	7.17	43	142273	49.195 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	125530	22.902 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53664	23.333	ug/L	96
25) Chloroform	7.67	83	222803	22.882	ug/L	100
27) 1,2-Dichloroethane	8.40	62	172886	23.227	ug/L	99
30) Cyclohexane	7.95	56	242411	23.272	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	167400	23.542	ug/L	99
32) Carbon tetrachloride	8.07	117	157311	23.590	ug/L	99
34) Benzene	8.32	78	500715	23.385	ug/L	100
35) Trichloroethene	9.09	95	124620	23.063	ug/L	100
36) Methylcyclohexane	9.34	83	228536	23.503	ug/L	98
40) 1,2-Dichloropropane	9.37	63	138445	23.596	ug/L	99
41) Bromodichloromethane	9.64	83	160594	23.741	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	207054	23.917	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	275343	50.623	ug/L	99
44) Toluene	10.38	91	521756	23.542	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	173688	24.247	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	95455	23.493	ug/L	98
47) Tetrachloroethene	10.86	164	94256	23.081	ug/L	97
49) 2-Hexanone	10.97	43	210693	53.218	ug/L	99
50) Dibromochloromethane	11.13	129	103158	23.842	ug/L	95
51) 1,2-Dibromoethane	11.23	107	93705	23.884	ug/L	98
52) Chlorobenzene	11.66	112	314019	23.192	ug/L	100
53) Ethylbenzene	11.73	91	586865	23.345	ug/L	98
54) m,p-Xylene	11.84	106	214180	23.466	ug/L	100
55) o-xylene	12.16	106	205353	23.651	ug/L	98
56) Styrene	12.18	104	357862	24.026	ug/L	100
57) Isopropylbenzene	12.46	105	562525	23.734	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	134429	24.870	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	103558	24.947	ug/L	99
62) Bromoform	12.35	173	59779	24.021	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	237703	23.138	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	245189	23.314	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	225588	23.590	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	23729	25.274	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	186347	23.940	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	156160	23.947	ug/L	99
69) Naphthalene	15.37	128	355308	26.017	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	145949	24.462	ug/L	100

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

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