

Data File : VW016249.D
Acq On : 19 Aug 2020 10:16
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02519

Quant Time: Aug 20 01:32:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 19 13:41:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	377712	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349959	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171430	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	82407	17.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.40%
7) Chloroethane-d5	2.89	69	67232	18.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.64%
10) 1,1-Dichloroethene-d2	4.02	63	203290	20.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.76%
20) 2-Butanone-d5	7.09	46	44678	36.26	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.52%
24) Chloroform-d	7.65	84	212283	20.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.76%
26) 1,2-Dichloroethane-d4	8.30	65	103593	19.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.96%
29) Benzene-d6	8.27	84	415613	21.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.32%
33) 1,2-Dichloropropane-d6	9.28	67	117962	21.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.28%
37) Toluene-d8	10.33	98	387736	22.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.84%
38) trans-1,3-Dichloropropene-	10.58	79	50801	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.76%
39) 2-Hexanone-d5	10.93	63	38389	39.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99967	21.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	133411	21.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	95969	25.151	ug/L	95
3) Chloromethane	2.21	50	79757	21.048	ug/L	95
5) Vinyl chloride	2.37	62	115209	22.909	ug/L	100
6) Bromomethane	2.79	94	71670	22.755	ug/L	99
8) Chloroethane	2.93	64	64940	22.932	ug/L	100
9) Trichlorofluoromethane	3.26	101	102400	28.526	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	127885	25.209	ug/L	94
12) 1,1-Dichloroethene	4.03	96	122160	25.199	ug/L	94
13) Acetone	4.14	43	36892	39.576	ug/L	95
14) Carbon disulfide	4.38	76	374061	24.582	ug/L	99
15) Methyl Acetate	4.68	43	39905	18.206	ug/L	94
16) Methylene chloride	4.92	84	131357	22.024	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	156701	22.810	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	125969	24.703	ug/L	85
19) 1,1-Dichloroethane	6.22	63	207902	23.043	ug/L	97
21) 2-Butanone	7.18	43	53226	36.027	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	128835	23.949	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	59105	23.939	ug/L	85
25) Chloroform	7.68	83	222579	23.188	ug/L	100
27) 1,2-Dichloroethane	8.40	62	132049	20.652	ug/L	99
30) Cyclohexane	7.96	56	185527	24.365	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	198330	24.663	ug/L	98
32) Carbon tetrachloride	8.07	117	186293	24.494	ug/L	99
34) Benzene	8.32	78	494849	24.521	ug/L	100
35) Trichloroethene	9.09	95	130903	24.123	ug/L	96
36) Methylcyclohexane	9.34	83	228924	25.609	ug/L	96
40) 1,2-Dichloropropane	9.37	63	115756	23.357	ug/L	99
41) Bromodichloromethane	9.65	83	158294	23.251	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	181041	23.987	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	114955	38.565	ug/L	96
44) Toluene	10.39	91	539347	25.317	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	155884	22.992	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	89106	22.841	ug/L	99
47) Tetrachloroethene	10.87	164	107797	26.498	ug/L	93
49) 2-Hexanone	10.97	43	79398	39.474	ug/L	96
50) Dibromochloromethane	11.13	129	108366	23.585	ug/L	98
51) 1,2-Dibromoethane	11.24	107	84236	22.777	ug/L	96
52) Chlorobenzene	11.66	112	348532	24.727	ug/L	95
53) Ethylbenzene	11.73	91	607562	25.137	ug/L	98
54) m,p-Xylene	11.84	106	237895	26.165	ug/L	95
55) o-xylene	12.17	106	222023	25.925	ug/L	99
56) Styrene	12.18	104	383579	25.870	ug/L	98
57) Isopropylbenzene	12.47	105	610370	26.434	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	100039	21.978	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	73796	21.400	ug/L	100
62) Bromoform	12.35	173	57321	22.112	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	263155	24.304	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	268147	24.310	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	233405	23.511	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.49	75	15494	17.799	ug/L #	76
67) 1,3,5-Trichlorobenzene	14.63	180	178456	26.120	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	141840	25.615	ug/L	99
69) Naphthalene	15.37	128	271416	23.221	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	124759	24.799	ug/L	96

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

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