

Data File : VW001885.D

Acq On : 06 Apr 2018 10:34

Operator : JC/SY

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

Quant Time: Apr 06 22:45:33 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040518S.M

Quant Title : VOC Analysis

QLast Update : Fri Apr 06 02:05:35 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	350723	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.65	117	342088	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	168490	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108242	20.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.32%
7) Chloroethane-d5	2.89	69	86690	22.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.08%
10) 1,1-Dichloroethene-d2	4.02	63	242028	21.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.84%
20) 2-Butanone-d5	7.08	46	87676	61.54	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.08%
24) Chloroform-d	7.65	84	219404	23.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	8.31	65	131003	21.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.16%
29) Benzene-d6	8.28	84	434433	22.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.68%
33) 1,2-Dichloropropane-d6	9.28	67	137964	21.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.60%
37) Toluene-d8	10.34	98	412393	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.52%
38) trans-1,3-Dichloropropene-	10.59	79	58269	21.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.16%
39) 2-Hexanone-d5	10.93	63	65404	48.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.04%
48) 1,1,2,2-Tetrachloroethane-	12.71	84	133263	22.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.92%
61) 1,2-Dichlorobenzene-d4	13.87	152	138595	21.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	204481	25.46	ug/L	100
3) Chloromethane	2.22	50	185270	25.57	ug/L	98
5) Vinyl chloride	2.36	62	175219	25.94	ug/L	96
6) Bromomethane	2.78	94	85701	27.71	ug/L	98
8) Chloroethane	2.93	64	97186	26.54	ug/L	96
9) Trichlorofluoromethane	3.27	101	238545	25.36	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140888	24.76	ug/L	99
12) 1,1-Dichloroethene	4.04	96	122878	24.26	ug/L	94
13) Acetone	4.13	43	80499	48.68	ug/L	98
14) Carbon disulfide	4.37	76	478753	26.80	ug/L	100
15) Methyl Acetate	4.67	43	101973	25.89	ug/L	99
16) Methylene chloride	4.92	84	147873	20.35	ug/L	99
17) Methyl tert-butyl Ether	5.44	73	274645	24.09	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	137199	25.27	ug/L	98
19) 1,1-Dichloroethane	6.22	63	259598	24.82	ug/L	98
21) 2-Butanone	7.18	43	113653	49.68	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	138684	24.82	ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60988	24.47	ug/L	93
25) Chloroform	7.68	83	265659	23.45	ug/L	100
27) 1,2-Dichloroethane	8.40	62	179481	23.97	ug/L	99
30) Cyclohexane	7.96	56	242653	26.94	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	234156	25.52	ug/L	98
32) Carbon tetrachloride	8.07	117	209349	24.82	ug/L	99
34) Benzene	8.33	78	564228	25.48	ug/L	100
35) Trichloroethene	9.10	95	145623	24.65	ug/L	100
36) Methylcyclohexane	9.34	83	244954	26.20	ug/L	95
40) 1,2-Dichloropropane	9.37	63	153411	25.70	ug/L	100
41) Bromodichloromethane	9.65	83	179888	24.23	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	203985	24.40	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	230686	50.41	ug/L	100
44) Toluene	10.40	91	598935	25.94	ug/L	99
45) trans-1,3-Dichloropropene	10.62	75	189698	25.60	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	108295	24.24	ug/L	96
47) Tetrachloroethene	10.87	164	117188	25.11	ug/L	98
49) 2-Hexanone	10.98	43	176518	53.21	ug/L	100
50) Dibromochloromethane	11.13	129	125041	24.37	ug/L	100
51) 1,2-Dibromoethane	11.24	107	99990	24.25	ug/L #	95
52) Chlorobenzene	11.67	112	369049	24.65	ug/L	99
53) Ethylbenzene	11.74	91	655415	25.80	ug/L	100
54) m,p-Xylene	11.85	106	246769	26.20	ug/L	94
55) o-xylene	12.18	106	220786	25.63	ug/L	97
56) Styrene	12.20	104	389182	26.35	ug/L	100
57) Isopropylbenzene	12.48	105	625921	26.77	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.73	83	147492	24.74	ug/L	98
59) 1,2,3-Trichloropropane	12.78	75	118313	25.19	ug/L	97
62) Bromoform	12.36	173	78526	24.81	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	268559	24.77	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	285293	24.25	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	260505	24.25	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.51	75	28934	25.49	ug/L	95
67) 1,3,5-Trichlorobenzene	14.65	180	201801	23.88	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	158790	23.68	ug/L	99
69) Naphthalene	15.39	128	326491	24.04	ug/L	100
70) 1,2,3-Trichlorobenzene	15.58	180	160078	25.01	ug/L	99

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

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