

Data File : VW001889.D

Acq On : 06 Apr 2018 19:18

Operator : JC/SY

Sample : VSTDCCC025EC

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Quant Time: Apr 06 19:38:26 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	392622	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.65	117	393762	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	198865	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90486	15.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.48%
7) Chloroethane-d5	2.89	69	67538	15.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.28%
10) 1,1-Dichloroethene-d2	4.01	63	280781	22.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.00%
20) 2-Butanone-d5	7.09	46	116937	73.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.64%#
24) Chloroform-d	7.65	84	264675	25.11	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.44%
26) 1,2-Dichloroethane-d4	8.31	65	163874	24.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.40%
29) Benzene-d6	8.28	84	518273	23.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.96%
33) 1,2-Dichloropropane-d6	9.28	67	165401	22.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.24%
37) Toluene-d8	10.34	98	504367	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.36%
38) trans-1,3-Dichloropropene-	10.59	79	76427	24.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.32%
39) 2-Hexanone-d5	10.94	63	92886	59.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.74%
48) 1,1,2,2-Tetrachloroethane-	12.71	84	174273	25.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.28%
61) 1,2-Dichlorobenzene-d4	13.87	152	182584	24.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.04%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	198108	22.04	ug/L	99
3) Chloromethane	2.22	50	131205	16.18	ug/L	99
5) Vinyl chloride	2.36	62	126887	16.78	ug/L	96
6) Bromomethane	2.77	94	63308	18.29	ug/L	97
8) Chloroethane	2.92	64	65700	16.03	ug/L	98
9) Trichlorofluoromethane	3.26	101	217232	20.63	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	150930	23.70	ug/L	98
12) 1,1-Dichloroethene	4.03	96	130255	22.97	ug/L	97
13) Acetone	4.14	43	86595	46.78	ug/L	100
14) Carbon disulfide	4.37	76	455460	22.77	ug/L	100
15) Methyl Acetate	4.68	43	112812	25.58	ug/L	97
16) Methylene chloride	4.92	84	150278	18.47	ug/L	98
17) Methyl tert-butyl Ether	5.44	73	311012	24.37	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	139150	22.89	ug/L	98
19) 1,1-Dichloroethane	6.22	63	266449	22.76	ug/L	99
21) 2-Butanone	7.18	43	131758	51.45	ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	146155	23.36	ug/L	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	65015	23.31	ug/L	96
25) Chloroform	7.68	83	278588	21.97	ug/L	100
27) 1,2-Dichloroethane	8.41	62	194396	23.19	ug/L	100
30) Cyclohexane	7.96	56	237098	22.87	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	229049	21.69	ug/L	98
32) Carbon tetrachloride	8.07	117	204899	21.11	ug/L	99
34) Benzene	8.33	78	578555	22.70	ug/L	100
35) Trichloroethene	9.10	95	146284	21.51	ug/L	99
36) Methylcyclohexane	9.34	83	247233	22.97	ug/L	96
40) 1,2-Dichloropropane	9.38	63	154432	22.48	ug/L	99
41) Bromodichloromethane	9.65	83	187849	21.98	ug/L	94
42) cis-1,3-Dichloropropene	10.09	75	220518	22.92	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	270620	51.37	ug/L	100
44) Toluene	10.40	91	633124	23.82	ug/L	99
45) trans-1,3-Dichloropropene	10.62	75	204759	24.01	ug/L	99
46) 1,1,2-Trichloroethane	10.80	97	115873	22.53	ug/L	96
47) Tetrachloroethene	10.87	164	119515	22.25	ug/L	99
49) 2-Hexanone	10.98	43	213519	55.92	ug/L	98
50) Dibromochloromethane	11.14	129	133712	22.64	ug/L	99
51) 1,2-Dibromoethane	11.24	107	107638	22.68	ug/L	92
52) Chlorobenzene	11.67	112	390668	22.67	ug/L	98
53) Ethylbenzene	11.74	91	703987	24.07	ug/L	99
54) m,p-Xylene	11.85	106	264287	24.37	ug/L	95
55) o-xylene	12.18	106	241836	24.39	ug/L	98
56) Styrene	12.20	104	428233	25.19	ug/L	99
57) Isopropylbenzene	12.48	105	665353	24.73	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.73	83	166422	24.25	ug/L	99
59) 1,2,3-Trichloropropane	12.78	75	129853	24.02	ug/L	100
62) Bromoform	12.36	173	84739	22.69	ug/L	98
63) 1,3-Dichlorobenzene	13.52	146	296091	23.14	ug/L	98
64) 1,4-Dichlorobenzene	13.60	146	317281	22.85	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	296076	23.35	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.50	75	32198	24.04	ug/L	98
67) 1,3,5-Trichlorobenzene	14.65	180	227958	22.86	ug/L	99
68) 1,2,4-trichlorobenzene	15.16	180	185945	23.49	ug/L	99
69) Naphthalene	15.39	128	410514	25.61	ug/L	100
70) 1,2,3-Trichlorobenzene	15.58	180	185162	24.51	ug/L	100

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

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