

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052218\
 Data File : VW002786.D
 Acq On : 22 May 2018 12:28
 Operator : JC/SY
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 12:48:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 22 12:32:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	202807	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	195423	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	103764	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	64660	24.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.44%
7) Chloroethane-d5	2.88	69	56443	24.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.04%
10) 1,1-Dichloroethene-d2	4.00	63	108182	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.96%
20) 2-Butanone-d5	7.08	46	60276	56.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.62%
24) Chloroform-d	7.65	84	124003	25.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.04%
26) 1,2-Dichloroethane-d4	8.31	65	78324	26.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.72%
29) Benzene-d6	8.27	84	226213	24.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.36%
33) 1,2-Dichloropropane-d6	9.28	67	74904	24.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.76%
37) Toluene-d8	10.33	98	226058	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.60%
38) trans-1,3-Dichloropropene-	10.59	79	37295	25.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.84%
39) 2-Hexanone-d5	10.93	63	47830	56.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.24%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	87017	26.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.72%
61) 1,2-Dichlorobenzene-d4	13.87	152	96715	25.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.44%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	2.01	85	22008m	18.18	ug/L	
3) Chloromethane	2.20	50	54586	26.08	ug/L	99
5) Vinyl chloride	2.35	62	82243	23.10	ug/L	96
6) Bromomethane	2.77	94	56314	23.10	ug/L	99
8) Chloroethane	2.92	64	50261	22.18	ug/L	99
9) Trichlorofluoromethane	3.25	101	46513	30.19	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	54270	22.00	ug/L #	68
12) 1,1-Dichloroethene	4.03	96	50867	20.92	ug/L #	80
13) Acetone	4.12	43	49691	52.95	ug/L	98
14) Carbon disulfide	4.36	76	166085	22.17	ug/L	100
15) Methyl Acetate	4.67	43	42550	24.90	ug/L #	78
16) Methylene chloride	4.90	84	59646	22.76	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	117730	26.25	ug/L	100
18) trans-1,2-Dichloroethene	5.41	96	55079	21.64	ug/L	98
19) 1,1-Dichloroethane	6.21	63	100127	22.42	ug/L	98
21) 2-Butanone	7.17	43	59813	48.15	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	61735	22.15	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	31198	22.98	ug/L	99
25) Chloroform	7.67	83	109703	22.73	ug/L	98
27) 1,2-Dichloroethane	8.40	62	84801	24.11	ug/L	99
30) Cyclohexane	7.95	56	86867	21.01	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	86568	22.90	ug/L	99
32) Carbon tetrachloride	8.07	117	80703	21.31	ug/L	98
34) Benzene	8.32	78	228332	21.53	ug/L	100
35) Trichloroethene	9.09	95	61536	21.23	ug/L	99
36) Methylcyclohexane	9.34	83	98949	20.67	ug/L	98
40) 1,2-Dichloropropane	9.37	63	61521	22.38	ug/L	99
41) Bromodichloromethane	9.65	83	80128	22.36	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	93927	22.21	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	117732	47.58	ug/L	99
44) Toluene	10.39	91	249992	21.63	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	88549	22.97	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	52919	23.24	ug/L	97
47) Tetrachloroethene	10.87	164	52917	21.11	ug/L	98
49) 2-Hexanone	10.98	43	89360	48.92	ug/L	97
50) Dibromochloromethane	11.13	129	62358	22.69	ug/L	99
51) 1,2-Dibromoethane	11.24	107	54670	23.63	ug/L #	98
52) Chlorobenzene	11.66	112	166335	21.71	ug/L	99
53) Ethylbenzene	11.74	91	279994	21.56	ug/L	98
54) m,p-Xylene	11.85	106	106705	21.58	ug/L	99
55) o-xylene	12.18	106	101567	21.61	ug/L	100
56) Styrene	12.19	104	181515	22.05	ug/L	98
57) Isopropylbenzene	12.48	105	268748	20.95	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.73	83	75437	23.52	ug/L	97
59) 1,2,3-Trichloropropane	12.78	75	56570	23.44	ug/L	100
62) Bromoform	12.36	173	42399	23.30	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	135032	21.83	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	144221	22.24	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	136572	22.73	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.50	75	13987	23.68	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	111326	22.36	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	95556	22.83	ug/L	99
69) Naphthalene	15.38	128	206840	24.42	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	92849	23.62	ug/L	100

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

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