

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006297.D
 Acq On : 23 Oct 2018 15:33
 Operator : SY/AP
 Sample : MDL
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:07:16 PM

Quant Time: Oct 24 04:02:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	407011	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	387992	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	203716	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	82695	18.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.08%
7) Chloroethane-d5	2.90	69	79761	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.76%
10) 1,1-Dichloroethene-d2	4.01	63	138970	15.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.08%
20) 2-Butanone-d5	7.08	46	59611	39.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.36%
24) Chloroform-d	7.65	84	195047	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.31	65	112280	23.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.08%
29) Benzene-d6	8.27	84	397288	22.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.20%
33) 1,2-Dichloropropane-d6	9.28	67	116133	21.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.36%
37) Toluene-d8	10.33	98	392084	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.04%
38) trans-1,3-Dichloropropene-	10.58	79	47987	18.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.28%
39) 2-Hexanone-d5	10.93	63	49270	38.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.72%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	108691	21.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	164865	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	4528m	1.177 ug/L	
3) Chloromethane	2.21	50	4605	1.219 ug/L	98
5) Vinyl chloride	2.37	62	6197	1.018 ug/L #	71
6) Bromomethane	2.79	94	4640m	0.979 ug/L	
8) Chloroethane	2.93	64	3724	0.998 ug/L	97
9) Trichlorofluoromethane	3.26	101	4949m	1.016 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	6532m	1.341 ug/L	
12) 1,1-Dichloroethene	4.03	96	5807	1.243 ug/L #	1
13) Acetone	4.12	43	4323m	2.812 ug/L	
14) Carbon disulfide	4.37	76	12745	0.834 ug/L	96
15) Methyl Acetate	4.68	43	2412	0.969 ug/L	95
16) Methylene chloride	4.92	84	12734	2.423 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	7146	0.939 ug/L #	69
18) trans-1,2-Dichloroethene	5.43	96	5248	1.014 ug/L	84
19) 1,1-Dichloroethane	6.22	63	8287	0.990 ug/L #	95
21) 2-Butanone	7.16	43	4585m	2.245 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	5792	1.026 ug/L	98

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

23) Bromochloromethane	7.52	128	2750	1.036	ug/L	96
25) Chloroform	7.68	83	9945	1.104	ug/L	77
27) 1,2-Dichloroethane	8.40	62	6583	1.072	ug/L	96
30) Cyclohexane	7.96	56	8047	0.944	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	7507	0.925	ug/L	96
32) Carbon tetrachloride	8.07	117	7309	0.918	ug/L	96
34) Benzene	8.33	78	19869	0.998	ug/L	100
35) Trichloroethene	9.10	95	5580	0.996	ug/L	99
36) Methylcyclohexane	9.34	83	9877	0.962	ug/L	100
40) 1,2-Dichloropropane	9.37	63	4926	0.997	ug/L #	96
41) Bromodichloromethane	9.65	83	5731	0.859	ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	6779	0.840	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	6953	1.756	ug/L	98
44) Toluene	10.39	91	23440	1.048	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	8555	1.214	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	3978	0.967	ug/L	95
47) Tetrachloroethene	10.87	164	5179	0.998	ug/L	90
49) 2-Hexanone	10.98	43	4604	1.578	ug/L	99
50) Dibromochloromethane	11.13	129	4150	0.787	ug/L	91
51) 1,2-Dibromoethane	11.24	107	3872	0.904	ug/L #	94
52) Chlorobenzene	11.66	112	15217	1.005	ug/L	99
53) Ethylbenzene	11.74	91	25359	0.974	ug/L	99
54) m,p-Xylene	11.85	106	9233	0.905	ug/L	94
55) o-xylene	12.17	106	9118	0.936	ug/L	86
56) Styrene	12.18	104	14281	0.851	ug/L	96
57) Isopropylbenzene	12.47	105	24546	0.905	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	5646	1.056	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	3764	0.944	ug/L	100
62) Bromoform	12.35	173	2529	0.741	ug/L	94
63) 1,3-Dichlorobenzene	13.51	146	12065	0.964	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	13294	1.055	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	12455	1.082	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	773m	0.834	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	10132	1.005	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	8250	0.959	ug/L	97
69) Naphthalene	15.38	128	13632	0.783	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	7459	0.966	ug/L	98

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

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