

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013307.D
 Acq On : 26 Sep 2019 15:18
 Operator : SY/VA
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:19 PM

Quant Time: Sep 27 08:33:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 12:57:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	401939	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	348483	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	129990	27.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.48%
7) Chloroethane-d5	2.88	69	97438	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.32%
10) 1,1-Dichloroethene-d2	4.01	63	192320	20.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.52%
20) 2-Butanone-d5	7.07	46	106793	64.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.94%
24) Chloroform-d	7.65	84	220470	24.33	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.32%
26) 1,2-Dichloroethane-d4	8.30	65	123592	25.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.96%
29) Benzene-d6	8.27	84	493695	26.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.36%
33) 1,2-Dichloropropane-d6	9.27	67	145305	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.08%
37) Toluene-d8	10.32	98	461096	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.52%
38) trans-1,3-Dichloropropene-	10.58	79	63795	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.72%
39) 2-Hexanone-d5	10.92	63	81273	65.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	135225	28.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	161097	26.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4106m	1.632	ug/L	
3) Chloromethane	2.21	50	7447	2.209	ug/L	93
5) Vinyl chloride	2.35	62	10283	2.206	ug/L #	47
6) Bromomethane	2.77	94	6180	2.085	ug/L	97
8) Chloroethane	2.92	64	6139	2.171	ug/L	89
9) Trichlorofluoromethane	3.25	101	4777	1.653	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11202	2.454	ug/L #	63
12) 1,1-Dichloroethene	4.04	96	11843	2.556	ug/L #	1
13) Acetone	4.13	43	8927m	6.475	ug/L	
14) Carbon disulfide	4.38	76	26950	2.049	ug/L	98
15) Methyl Acetate	4.67	43	6817m	2.562	ug/L	
16) Methylene chloride	4.92	84	19768	3.292	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	17155	2.141	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	11292	2.279	ug/L	95
19) 1,1-Dichloroethane	6.21	63	18304	2.106	ug/L	97
21) 2-Butanone	7.18	43	10902	5.490	ug/L	85
22) cis-1,2-Dichloroethene	7.16	96	11316	2.096	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	4697	1.934	ug/L	85
25) Chloroform	7.67	83	19660	2.302	ug/L	85
27) 1,2-Dichloroethane	8.40	62	12019	2.149	ug/L	99
30) Cyclohexane	7.95	56	19261	2.301	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	15004	2.243	ug/L	99
32) Carbon tetrachloride	8.06	117	14229	2.231	ug/L	97
34) Benzene	8.32	78	43287	2.216	ug/L	100
35) Trichloroethene	9.09	95	11605	2.261	ug/L	98
36) Methylcyclohexane	9.34	83	20084	2.197	ug/L	98
40) 1,2-Dichloropropane	9.37	63	10367	2.157	ug/L	99
41) Bromodichloromethane	9.65	83	11977	2.031	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	15989	2.083	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	21329	5.796	ug/L	99
44) Toluene	10.38	91	49127	2.310	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	14218m	2.304	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	8792	2.335	ug/L	93
47) Tetrachloroethene	10.86	164	11118	2.407	ug/L	96
49) 2-Hexanone	10.97	43	14074	5.321	ug/L	97
50) Dibromochloromethane	11.13	129	9088	2.104	ug/L	98
51) 1,2-Dibromoethane	11.24	107	8395	2.269	ug/L #	86
52) Chlorobenzene	11.66	112	30110	2.247	ug/L	95
53) Ethylbenzene	11.73	91	51830	2.198	ug/L	100
54) m,p-Xylene	11.84	106	20173	2.228	ug/L	88
55) o-xylene	12.16	106	17698	2.072	ug/L	98
56) Styrene	12.18	104	30109	2.055	ug/L	99
57) Isopropylbenzene	12.46	105	49139	2.127	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11076	2.387	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	8537	2.466	ug/L	93
62) Bromoform	12.35	173	5740	2.119	ug/L	91
63) 1,3-Dichlorobenzene	13.50	146	23678	2.247	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	24317	2.284	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	22501	2.347	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	2279	3.019	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	18028	2.222	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	12549	1.938	ug/L	94
69) Naphthalene	15.36	128	23600	1.908	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	12210	2.073	ug/L	100

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

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