

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013309.D
 Acq On : 26 Sep 2019 17:26
 Operator : SY/VA
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:28 PM

Quant Time: Sep 27 08:41:18 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	415611	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	367957	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180933	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	134512	27.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.56%
7) Chloroethane-d5	2.89	69	103934	26.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.52%
10) 1,1-Dichloroethene-d2	4.01	63	199138	20.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.64%
20) 2-Butanone-d5	7.07	46	111833	65.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.58%
24) Chloroform-d	7.65	84	233659	24.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.72%
26) 1,2-Dichloroethane-d4	8.31	65	132270	26.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.48%
29) Benzene-d6	8.27	84	517600	25.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.64%
33) 1,2-Dichloropropane-d6	9.27	67	152356	25.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.36%
37) Toluene-d8	10.32	98	484047	25.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.92%
38) trans-1,3-Dichloropropene-	10.58	79	67369	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.72%
39) 2-Hexanone-d5	10.92	63	84854	65.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	142067	28.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	169300	26.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.76%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	2.01	85	4297m	1.652 ug/L
3) Chloromethane	2.21	50	7639	2.192 ug/L
5) Vinyl chloride	2.35	62	10631	2.206 ug/L #
6) Bromomethane	2.77	94	6548	2.137 ug/L
8) Chloroethane	2.92	64	6119	2.093 ug/L
9) Trichlorofluoromethane	3.26	101	5623	1.882 ug/L #
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	12145m	2.573 ug/L
12) 1,1-Dichloroethene	4.04	96	12255	2.558 ug/L #
13) Acetone	4.12	43	10134	7.108 ug/L
14) Carbon disulfide	4.38	76	27730	2.039 ug/L
15) Methyl Acetate	4.67	43	6878m	2.500 ug/L
16) Methylene chloride	4.92	84	28176	4.538 ug/L
17) Methyl tert-butyl Ether	5.42	73	18065	2.180 ug/L #
18) trans-1,2-Dichloroethene	5.43	96	11114	2.169 ug/L
19) 1,1-Dichloroethane	6.21	63	19171	2.133 ug/L
21) 2-Butanone	7.17	43	13398m	6.525 ug/L
22) cis-1,2-Dichloroethene	7.17	96	12311	2.206 ug/L

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

23) Bromochloromethane	7.50	128	5795m	2.307	ug/L	
25) Chloroform	7.67	83	20536	2.326	ug/L	89
27) 1,2-Dichloroethane	8.40	62	12982	2.245	ug/L #	92
30) Cyclohexane	7.96	56	19722	2.232	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	16078	2.277	ug/L	99
32) Carbon tetrachloride	8.07	117	14804	2.198	ug/L	97
34) Benzene	8.32	78	45799m	2.220	ug/L	
35) Trichloroethene	9.09	95	12734	2.350	ug/L	94
36) Methylcyclohexane	9.34	83	20405	2.114	ug/L	96
40) 1,2-Dichloropropane	9.37	63	11218	2.210	ug/L #	92
41) Bromodichloromethane	9.64	83	12934	2.077	ug/L	83
42) cis-1,3-Dichloropropene	10.07	75	17087	2.108	ug/L	86
43) 4-Methyl-2-pentanone	10.21	43	25340	6.522	ug/L	91
44) Toluene	10.38	91	50338	2.241	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	15793m	2.424	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	8901	2.238	ug/L	89
47) Tetrachloroethene	10.86	164	10719	2.198	ug/L	96
49) 2-Hexanone	10.96	43	14986	5.366	ug/L	99
50) Dibromochloromethane	11.13	129	10178	2.231	ug/L	92
51) 1,2-Dibromoethane	11.24	107	8739	2.237	ug/L #	97
52) Chlorobenzene	11.66	112	31202	2.205	ug/L	95
53) Ethylbenzene	11.73	91	53500	2.149	ug/L	100
54) m,p-Xylene	11.84	106	20225	2.116	ug/L	97
55) o-xylene	12.16	106	18777	2.082	ug/L	92
56) Styrene	12.18	104	31999	2.069	ug/L	97
57) Isopropylbenzene	12.46	105	51892	2.127	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12103	2.471	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	9288	2.541	ug/L	99
62) Bromoform	12.35	173	6381	2.229	ug/L #	94
63) 1,3-Dichlorobenzene	13.50	146	24564	2.206	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	23958	2.130	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	23368	2.307	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	2379	2.982	ug/L	82
67) 1,3,5-Trichlorobenzene	14.63	180	17586	2.051	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	13130	1.919	ug/L	98
69) Naphthalene	15.36	128	23997	1.836	ug/L	97
70) 1,2,3-Trichlorobenzene	15.56	180	12257	1.969	ug/L	98

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

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