

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013322.D
 Acq On : 27 Sep 2019 14:52
 Operator : SY/VA
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Quant Time: Sep 28 04:29:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 28 03:37:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	430420	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	386359	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189084	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	133087	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.72%
7) Chloroethane-d5	2.88	69	106814	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.72%
10) 1,1-Dichloroethene-d2	4.01	63	203915	20.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.72%
20) 2-Butanone-d5	7.08	46	107966	60.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.74%
24) Chloroform-d	7.65	84	245875	25.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.36%
26) 1,2-Dichloroethane-d4	8.31	65	138989	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.04%
29) Benzene-d6	8.27	84	542251	25.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.40%
33) 1,2-Dichloropropane-d6	9.27	67	160550	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.72%
37) Toluene-d8	10.32	98	509473	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.16%
38) trans-1,3-Dichloropropene-	10.58	79	69884	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.52%
39) 2-Hexanone-d5	10.92	63	82619	60.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	146722	27.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	178544	26.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	3842	1.426 ug/L	92
3) Chloromethane	2.21	50	7358	2.039 ug/L	87
5) Vinyl chloride	2.36	62	9624	1.928 ug/L #	73
6) Bromomethane	2.78	94	6247	1.968 ug/L	93
8) Chloroethane	2.92	64	6063m	2.002 ug/L	
9) Trichlorofluoromethane	3.25	101	4563	1.475 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11897m	2.433 ug/L	
12) 1,1-Dichloroethene	4.04	96	10408	2.098 ug/L #	1
13) Acetone	4.13	43	10575	7.163 ug/L	94
14) Carbon disulfide	4.38	76	24328	1.727 ug/L	96
15) Methyl Acetate	4.67	43	5855m	2.055 ug/L	
16) Methylene chloride	4.90	84	18228m	2.835 ug/L	
17) Methyl tert-butyl Ether	5.42	73	16609	1.935 ug/L #	86
18) trans-1,2-Dichloroethene	5.42	96	10209	1.924 ug/L	93
19) 1,1-Dichloroethane	6.21	63	18280	1.964 ug/L	97
21) 2-Butanone	7.18	43	11673	5.489 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	11481	1.986 ug/L	95

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

23) Bromochloromethane	7.52	128	4904m	1.885	ug/L	
25) Chloroform	7.68	83	18853	2.062	ug/L	83
27) 1,2-Dichloroethane	8.40	62	12386	2.068	ug/L	96
30) Cyclohexane	7.95	56	16557	1.784	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	14732	1.987	ug/L	97
32) Carbon tetrachloride	8.07	117	13468	1.905	ug/L	97
34) Benzene	8.32	78	41729	1.927	ug/L	100
35) Trichloroethene	9.09	95	10776	1.894	ug/L	96
36) Methylcyclohexane	9.33	83	18366	1.812	ug/L	94
40) 1,2-Dichloropropane	9.37	63	10391	1.950	ug/L #	95
41) Bromodichloromethane	9.64	83	12547	1.919	ug/L #	96
42) cis-1,3-Dichloropropene	10.07	75	16448	1.932	ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	20367	4.992	ug/L	96
44) Toluene	10.38	91	47295	2.006	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	14536m	2.124	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	8111	1.943	ug/L	95
47) Tetrachloroethene	10.86	164	9859	1.925	ug/L	97
49) 2-Hexanone	10.97	43	12720	4.338	ug/L	96
50) Dibromochloromethane	11.13	129	9164	1.913	ug/L	94
51) 1,2-Dibromoethane	11.23	107	8174	1.993	ug/L #	94
52) Chlorobenzene	11.66	112	28875	1.943	ug/L	98
53) Ethylbenzene	11.73	91	49916	1.909	ug/L	97
54) m,p-Xylene	11.83	106	19195	1.912	ug/L	92
55) o-xylene	12.16	106	17657	1.864	ug/L	83
56) Styrene	12.18	104	29264	1.802	ug/L	98
57) Isopropylbenzene	12.46	105	46516	1.816	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11831	2.300	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	8335	2.171	ug/L	99
62) Bromoform	12.35	173	5632	1.883	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	22692	1.950	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	23490	1.998	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	21597	2.040	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	1684	2.020	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	16189	1.807	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	12155	1.700	ug/L	99
69) Naphthalene	15.36	128	20769	1.520	ug/L #	95
70) 1,2,3-Trichlorobenzene	15.55	180	11454	1.761	ug/L #	93

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

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