

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013319.D
 Acq On : 27 Sep 2019 12:48
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Quant Time: Sep 28 04:23:02 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	460046	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	408697	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	201106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	141060	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.88%
7) Chloroethane-d5	2.89	69	111206	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
10) 1,1-Dichloroethene-d2	4.01	63	213831	19.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.20%
20) 2-Butanone-d5	7.07	46	97584	51.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.94%
24) Chloroform-d	7.65	84	258139	24.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.56%
26) 1,2-Dichloroethane-d4	8.30	65	145196	25.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.64%
29) Benzene-d6	8.27	84	566459	25.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.12%
33) 1,2-Dichloropropane-d6	9.27	67	169349	25.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.44%
37) Toluene-d8	10.32	98	536130	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.64%
38) trans-1,3-Dichloropropene-	10.58	79	72615	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.76%
39) 2-Hexanone-d5	10.93	63	74495	51.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144199	25.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	187037	26.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.16%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	2.01	85	4209m	1.462 ug/L
3) Chloromethane	2.20	50	7176	1.860 ug/L
5) Vinyl chloride	2.35	62	10224	1.916 ug/L #
6) Bromomethane	2.77	94	5945m	1.753 ug/L
8) Chloroethane	2.92	64	6254	1.932 ug/L
9) Trichlorofluoromethane	3.26	101	5331	1.612 ug/L #
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11872m	2.272 ug/L
12) 1,1-Dichloroethene	4.03	96	11731	2.212 ug/L #
13) Acetone	4.14	43	7737	4.903 ug/L
14) Carbon disulfide	4.38	76	26668	1.771 ug/L
15) Methyl Acetate	4.68	43	5571m	1.830 ug/L
16) Methylene chloride	4.91	84	25732	3.744 ug/L
17) Methyl tert-butyl Ether	5.42	73	17408	1.898 ug/L #
18) trans-1,2-Dichloroethene	5.42	96	11078	1.954 ug/L
19) 1,1-Dichloroethane	6.21	63	18889	1.899 ug/L
21) 2-Butanone	7.18	43	11294m	4.969 ug/L
22) cis-1,2-Dichloroethene	7.17	96	11781	1.907 ug/L

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

23) Bromochloromethane	7.51	128	5209	1.873	ug/L	93
25) Chloroform	7.67	83	20768	2.125	ug/L	95
27) 1,2-Dichloroethane	8.40	62	12826	2.004	ug/L #	93
30) Cyclohexane	7.96	56	17841	1.818	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	15570	1.985	ug/L	99
32) Carbon tetrachloride	8.07	117	14326	1.915	ug/L	98
34) Benzene	8.32	78	45256	1.975	ug/L	100
35) Trichloroethene	9.09	95	11351	1.886	ug/L	93
36) Methylcyclohexane	9.34	83	20881	1.947	ug/L	99
40) 1,2-Dichloropropane	9.37	63	10820	1.919	ug/L	100
41) Bromodichloromethane	9.64	83	13492	1.951	ug/L	91
42) cis-1,3-Dichloropropene	10.07	75	17388	1.931	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	18162	4.209	ug/L	92
44) Toluene	10.38	91	49888	2.000	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	14527m	2.007	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	7710	1.746	ug/L	83
47) Tetrachloroethene	10.86	164	10441	1.928	ug/L	95
49) 2-Hexanone	10.97	43	11698	3.771	ug/L	97
50) Dibromochloromethane	11.13	129	9600	1.895	ug/L	75
51) 1,2-Dibromoethane	11.23	107	8500	1.959	ug/L	99
52) Chlorobenzene	11.66	112	30805	1.960	ug/L	95
53) Ethylbenzene	11.73	91	52441	1.896	ug/L	98
54) m,p-Xylene	11.84	106	20615	1.942	ug/L	90
55) o-xylene	12.16	106	18896	1.886	ug/L	95
56) Styrene	12.18	104	31447	1.831	ug/L	97
57) Isopropylbenzene	12.46	105	49581	1.830	ug/L #	96
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11061	2.033	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	8419	2.073	ug/L	96
62) Bromoform	12.35	173	5976	1.878	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	24201	1.956	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	24904	1.992	ug/L	93
65) 1,2-Dichlorobenzene	13.87	146	23113	2.053	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	1812	2.043	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	17184	1.804	ug/L	95
68) 1,2,4-trichlorobenzene	15.13	180	12357	1.625	ug/L	99
69) Naphthalene	15.37	128	21418	1.474	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	11874	1.717	ug/L	96

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

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