

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013305.D
 Acq On : 26 Sep 2019 14:26
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:07 PM

Quant Time: Sep 27 08:29:43 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	487452	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	431652	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	219314	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	141047	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.08%
7) Chloroethane-d5	2.89	69	112076	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.08%
10) 1,1-Dichloroethene-d2	4.01	63	210072	18.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.44%
20) 2-Butanone-d5	7.07	46	94741	47.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.32%
24) Chloroform-d	7.65	84	251783	22.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.64%
26) 1,2-Dichloroethane-d4	8.31	65	142709	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.12%
29) Benzene-d6	8.27	84	558438	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.27	67	164359	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.32	98	525221	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
38) trans-1,3-Dichloropropene-	10.58	79	73496	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.68%
39) 2-Hexanone-d5	10.93	63	76312	49.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144189	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	190487	24.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4888m	1.602	ug/L	
3) Chloromethane	2.21	50	8484	2.076	ug/L	85
5) Vinyl chloride	2.35	62	11616	2.055	ug/L #	65
6) Bromomethane	2.78	94	7069	1.967	ug/L	98
8) Chloroethane	2.92	64	6431	1.875	ug/L	92
9) Trichlorofluoromethane	3.25	101	5489	1.567	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	12714m	2.296	ug/L	
12) 1,1-Dichloroethene	4.03	96	12263m	2.182	ug/L	
13) Acetone	4.14	43	7816m	4.674	ug/L	
14) Carbon disulfide	4.38	76	30551	1.915	ug/L #	91
15) Methyl Acetate	4.67	43	6274	1.945	ug/L #	82
16) Methylene chloride	4.91	84	19780m	2.716	ug/L	
17) Methyl tert-butyl Ether	5.42	73	19347m	1.991	ug/L	
18) trans-1,2-Dichloroethene	5.42	96	12030	2.002	ug/L	87
19) 1,1-Dichloroethane	6.21	63	20515	1.947	ug/L	95
21) 2-Butanone	7.18	43	10386m	4.312	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	12970	1.981	ug/L	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	6033	2.048	ug/L	91
25) Chloroform	7.68	83	22807	2.202	ug/L	90
27) 1,2-Dichloroethane	8.40	62	14239	2.099	ug/L	94
30) Cyclohexane	7.95	56	20221	1.951	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	16818	2.030	ug/L	98
32) Carbon tetrachloride	8.07	117	16113	2.040	ug/L	99
34) Benzene	8.32	78	49014m	2.025	ug/L	
35) Trichloroethene	9.09	95	13091	2.059	ug/L	98
36) Methylcyclohexane	9.33	83	21401	1.890	ug/L	98
40) 1,2-Dichloropropane	9.37	63	12690	2.131	ug/L	99
41) Bromodichloromethane	9.64	83	14260	1.952	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	17415m	1.831	ug/L	
43) 4-Methyl-2-pentanone	10.21	43	19052	4.180	ug/L	99
44) Toluene	10.38	91	54479	2.068	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	15545m	2.034	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	9394	2.014	ug/L	97
47) Tetrachloroethene	10.86	164	11936	2.087	ug/L	94
49) 2-Hexanone	10.97	43	11960	3.651	ug/L #	92
50) Dibromochloromethane	11.12	129	11155	2.085	ug/L	90
51) 1,2-Dibromoethane	11.24	107	9502	2.073	ug/L #	98
52) Chlorobenzene	11.66	112	34247	2.063	ug/L	98
53) Ethylbenzene	11.73	91	57690	1.975	ug/L	94
54) m,p-Xylene	11.84	106	22286	1.987	ug/L	97
55) o-xylene	12.16	106	20195	1.908	ug/L	98
56) Styrene	12.18	104	34571	1.905	ug/L	98
57) Isopropylbenzene	12.46	105	55504	1.940	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12399	2.157	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	8543	1.992	ug/L	100
62) Bromoform	12.35	173	6885	1.984	ug/L #	93
63) 1,3-Dichlorobenzene	13.50	146	27361	2.027	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	28531	2.092	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	26082	2.124	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.48	75	2067	2.137	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	20551	1.978	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	16099	1.941	ug/L	99
69) Naphthalene	15.36	128	26528	1.674	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	14776	1.959	ug/L #	89

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

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