

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013308.D
 Acq On : 26 Sep 2019 17:00
 Operator : SY/VA
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:23 PM

Quant Time: Sep 27 08:39:22 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	529521	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	478948	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	237785	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	151516	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.00%
7) Chloroethane-d5	2.89	69	119854	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	4.01	63	227887	18.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.32%
20) 2-Butanone-d5	7.07	46	113552	52.03	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.06%
24) Chloroform-d	7.65	84	286898	24.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.12%
26) 1,2-Dichloroethane-d4	8.31	65	158727	24.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.44%
29) Benzene-d6	8.27	84	629259	24.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.80%
33) 1,2-Dichloropropane-d6	9.27	67	187414	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.72%
37) Toluene-d8	10.32	98	600443	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	10.58	79	85416	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.12%
39) 2-Hexanone-d5	10.92	63	88162	51.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	164880	25.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	211513	24.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4852m	1.464	ug/L	
3) Chloromethane	2.21	50	8427	1.898	ug/L	94
5) Vinyl chloride	2.36	62	11717	1.908	ug/L #	69
6) Bromomethane	2.78	94	7488	1.918	ug/L	98
8) Chloroethane	2.92	64	6992	1.877	ug/L	86
9) Trichlorofluoromethane	3.25	101	5977	1.570	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	14227m	2.365	ug/L	
12) 1,1-Dichloroethene	4.04	96	13602	2.228	ug/L #	1
13) Acetone	4.12	43	10438	5.747	ug/L	94
14) Carbon disulfide	4.38	76	32320	1.865	ug/L	96
15) Methyl Acetate	4.66	43	7374	2.104	ug/L #	75
16) Methylene chloride	4.91	84	30830	3.897	ug/L	90
17) Methyl tert-butyl Ether	5.42	73	19428	1.840	ug/L #	80
18) trans-1,2-Dichloroethene	5.42	96	13153	2.015	ug/L	95
19) 1,1-Dichloroethane	6.21	63	22720	1.985	ug/L	94
21) 2-Butanone	7.18	43	13697m	5.235	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	13752	1.934	ug/L	83

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

23) Bromochloromethane	7.51	128	6370	1.990	ug/L	93
25) Chloroform	7.67	83	23902	2.124	ug/L	99
27) 1,2-Dichloroethane	8.39	62	15794	2.144	ug/L #	94
30) Cyclohexane	7.95	56	20860	1.813	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	18639	2.028	ug/L	97
32) Carbon tetrachloride	8.07	117	16766	1.913	ug/L #	2
34) Benzene	8.32	78	54133	2.016	ug/L	100
35) Trichloroethene	9.09	95	13716	1.944	ug/L	97
36) Methylcyclohexane	9.34	83	23208	1.847	ug/L	95
40) 1,2-Dichloropropane	9.37	63	12849	1.945	ug/L	99
41) Bromodichloromethane	9.64	83	15655	1.931	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	21119	2.001	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	23097	4.567	ug/L	98
44) Toluene	10.38	91	60728	2.077	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	17087m	2.015	ug/L	
46) 1,1,2-Trichloroethane	10.78	97	10610	2.050	ug/L	94
47) Tetrachloroethene	10.86	164	12399	1.953	ug/L	96
49) 2-Hexanone	10.97	43	13838	3.807	ug/L	91
50) Dibromochloromethane	11.13	129	11582	1.951	ug/L	93
51) 1,2-Dibromoethane	11.24	107	10082	1.983	ug/L	96
52) Chlorobenzene	11.65	112	37448	2.033	ug/L	94
53) Ethylbenzene	11.73	91	65556	2.023	ug/L	97
54) m,p-Xylene	11.84	106	25049	2.013	ug/L	90
55) o-xylene	12.16	106	22910	1.951	ug/L	94
56) Styrene	12.18	104	38549	1.915	ug/L	91
57) Isopropylbenzene	12.46	105	61868	1.949	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12425	1.949	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	9727	2.044	ug/L	94
62) Bromoform	12.35	173	7418	1.972	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	30185	2.063	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	30724	2.078	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	27333	2.053	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	2255	2.151	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	21707	1.927	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	15114	1.681	ug/L	96
69) Naphthalene	15.37	128	25371	1.477	ug/L #	96
70) 1,2,3-Trichlorobenzene	15.55	180	14023	1.714	ug/L	99

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

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