

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013311.D
 Acq On : 26 Sep 2019 18:18
 Operator : SY/VA
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:37 PM

Quant Time: Sep 27 08:44:55 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	459724	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	414269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	206167	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	145927	26.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.48%
7) Chloroethane-d5	2.89	69	113408	25.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.08%
10) 1,1-Dichloroethene-d2	4.02	63	218754	20.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.08%
20) 2-Butanone-d5	7.07	46	100106	52.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.68%
24) Chloroform-d	7.65	84	264608	25.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.12%
26) 1,2-Dichloroethane-d4	8.30	65	150846	26.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.72%
29) Benzene-d6	8.27	84	588243	26.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.60%
33) 1,2-Dichloropropane-d6	9.27	67	175961	26.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.00%
37) Toluene-d8	10.32	98	554507	26.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.72%
38) trans-1,3-Dichloropropene-	10.58	79	78308	26.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.00%
39) 2-Hexanone-d5	10.92	63	80708	55.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	153539	26.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	202183	27.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	4227m	1.469	ug/L	
3) Chloromethane	2.21	50	7911	2.052	ug/L	91
5) Vinyl chloride	2.35	62	10828	2.031	ug/L #	50
6) Bromomethane	2.77	94	6888	2.032	ug/L	91
8) Chloroethane	2.92	64	6582	2.035	ug/L	88
9) Trichlorofluoromethane	3.25	101	5188	1.570	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13028m	2.495	ug/L	
12) 1,1-Dichloroethene	4.04	96	12303	2.321	ug/L #	1
13) Acetone	4.13	43	8532	5.410	ug/L	71
14) Carbon disulfide	4.38	76	29089	1.934	ug/L	100
15) Methyl Acetate	4.67	43	6532	2.147	ug/L #	79
16) Methylene chloride	4.92	84	30244	4.403	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	18896	2.061	ug/L #	77
18) trans-1,2-Dichloroethene	5.41	96	11134	1.965	ug/L	87
19) 1,1-Dichloroethane	6.21	63	20214	2.034	ug/L	96
21) 2-Butanone	7.17	43	11439m	5.036	ug/L	
22) cis-1,2-Dichloroethene	7.16	96	12473	2.020	ug/L	97

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

23) Bromochloromethane	7.51	128	5626	2.025	ug/L	89
25) Chloroform	7.67	83	21538	2.205	ug/L	87
27) 1,2-Dichloroethane	8.40	62	14247	2.227	ug/L	97
30) Cyclohexane	7.96	56	19789	1.989	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	16066	2.021	ug/L	98
32) Carbon tetrachloride	8.07	117	14727	1.943	ug/L	95
34) Benzene	8.32	78	48766	2.100	ug/L	100
35) Trichloroethene	9.09	95	13061	2.141	ug/L #	89
36) Methylcyclohexane	9.34	83	20583	1.894	ug/L	96
40) 1,2-Dichloropropane	9.37	63	12250	2.144	ug/L	98
41) Bromodichloromethane	9.64	83	14272	2.036	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	18587	2.036	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	21923	5.012	ug/L	99
44) Toluene	10.39	91	53894	2.131	ug/L	94
45) trans-1,3-Dichloropropene	10.61	75	15667m	2.136	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	8969	2.003	ug/L #	85
47) Tetrachloroethene	10.86	164	11061	2.015	ug/L	95
49) 2-Hexanone	10.97	43	12522	3.982	ug/L	97
50) Dibromochloromethane	11.13	129	10158	1.978	ug/L	88
51) 1,2-Dibromoethane	11.23	107	9010	2.048	ug/L	96
52) Chlorobenzene	11.66	112	34349	2.156	ug/L	96
53) Ethylbenzene	11.73	91	57304	2.044	ug/L	94
54) m,p-Xylene	11.83	106	21434	1.992	ug/L	97
55) o-xylene	12.16	106	19485	1.919	ug/L	91
56) Styrene	12.18	104	34255	1.967	ug/L	99
57) Isopropylbenzene	12.46	105	52514	1.912	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.71	83	12550	2.275	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	9124	2.217	ug/L	92
62) Bromoform	12.35	173	7014	2.150	ug/L	94
63) 1,3-Dichlorobenzene	13.50	146	25738	2.029	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	26595	2.075	ug/L	92
65) 1,2-Dichlorobenzene	13.87	146	25001	2.166	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	1987	2.186	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	19335	1.979	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	14374	1.843	ug/L	99
69) Naphthalene	15.37	128	23695	1.591	ug/L	97
70) 1,2,3-Trichlorobenzene	15.55	180	12725	1.794	ug/L	97

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

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