

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016465.D
 Acq On : 04 Sep 2020 15:36
 Operator : SY/VA
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 10:15:01 AM

Quant Time: Sep 08 01:20:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 08 00:59:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	692121	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	615860	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	286304	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	155980	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.96%
7) Chloroethane-d5	2.90	69	145724	22.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.40%
10) 1,1-Dichloroethene-d2	4.03	63	257784	15.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.08%
20) 2-Butanone-d5	7.08	46	106041	40.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.86%
24) Chloroform-d	7.65	84	351036	21.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	8.31	65	194920	21.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.96%
29) Benzene-d6	8.28	84	705102	22.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.08%
33) 1,2-Dichloropropane-d6	9.28	67	201650	21.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.68%
37) Toluene-d8	10.33	98	682458	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.72%
38) trans-1,3-Dichloropropene-	10.58	79	99365	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.64%
39) 2-Hexanone-d5	10.93	63	83735	44.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	178228	22.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	241696	24.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.03	85	4720m	0.610	ug/L	
3) Chloromethane	2.22	50	4356	0.641	ug/L	98
5) Vinyl chloride	2.37	62	6820m	0.788	ug/L	
6) Bromomethane	2.79	94	4199m	0.649	ug/L	
8) Chloroethane	2.93	64	3886m	0.730	ug/L	
9) Trichlorofluoromethane	3.28	101	3942	0.556	ug/L #	57
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	8080m	0.963	ug/L	
12) 1,1-Dichloroethene	4.05	96	7792	0.914	ug/L #	1
13) Acetone	4.13	43	4725m	2.807	ug/L	
14) Carbon disulfide	4.39	76	15793	0.606	ug/L	97
15) Methyl Acetate	4.68	43	2692m	0.659	ug/L	
16) Methylene chloride	4.92	84	21798	2.018	ug/L	84
17) Methyl tert-butyl Ether	5.43	73	8306m	0.649	ug/L	
18) trans-1,2-Dichloroethene	5.43	96	5636	0.622	ug/L	94
19) 1,1-Dichloroethane	6.23	63	8762	0.568	ug/L	100
21) 2-Butanone	7.13	43	8743m	3.095	ug/L	
22) cis-1,2-Dichloroethene	7.18	96	6137	0.650	ug/L	94

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

23) Bromochloromethane	7.53	128	2526	0.577	ug/L #	68
25) Chloroform	7.68	83	11302m	0.708	ug/L	
27) 1,2-Dichloroethane	8.40	62	6800	0.640	ug/L #	91
30) Cyclohexane	7.96	56	9476	0.644	ug/L #	94
31) 1,1,1-Trichloroethane	7.88	97	8725	0.654	ug/L	98
32) Carbon tetrachloride	8.07	117	8066	0.632	ug/L	97
34) Benzene	8.33	78	20769	0.617	ug/L	100
35) Trichloroethene	9.09	95	5931	0.636	ug/L	95
36) Methylcyclohexane	9.34	83	9808	0.601	ug/L	95
40) 1,2-Dichloropropane	9.37	63	5058	0.608	ug/L #	93
41) Bromodichloromethane	9.65	83	7074	0.608	ug/L	80
42) cis-1,3-Dichloropropene	10.08	75	8130	0.575	ug/L	91
43) 4-Methyl-2-pentanone	10.21	43	12787	2.169	ug/L	96
44) Toluene	10.39	91	24691	0.655	ug/L	91
45) trans-1,3-Dichloropropene	10.61	75	7421	0.588	ug/L	92
46) 1,1,2-Trichloroethane	10.79	97	4062	0.616	ug/L	82
47) Tetrachloroethene	10.87	164	4930	0.659	ug/L	92
49) 2-Hexanone	10.97	43	4520	1.101	ug/L #	95
50) Dibromochloromethane	11.13	129	4900	0.587	ug/L	88
51) 1,2-Dibromoethane	11.24	107	4069	0.617	ug/L	100
52) Chlorobenzene	11.66	112	15175	0.635	ug/L	99
53) Ethylbenzene	11.73	91	26331	0.620	ug/L	97
54) m,p-Xylene	11.85	106	10528	0.649	ug/L	93
55) o-xylene	12.17	106	9492	0.614	ug/L	97
56) Styrene	12.18	104	16174	0.609	ug/L	99
57) Isopropylbenzene	12.46	105	27707	0.655	ug/L #	84
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	5383	0.684	ug/L #	82
59) 1,2,3-Trichloropropane	12.77	75	3658m	0.622	ug/L	
62) Bromoform	12.35	173	2649	0.551	ug/L #	93
63) 1,3-Dichlorobenzene	13.50	146	11755	0.652	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	11819	0.661	ug/L #	89
65) 1,2-Dichlorobenzene	13.87	146	10579	0.660	ug/L #	85
66) 1,2-Dibromo-3-chloropropan	14.49	75	988m	0.662	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	7114	0.573	ug/L	92
68) 1,2,4-trichlorobenzene	15.14	180	6308	0.587	ug/L	94
69) Naphthalene	15.37	128	11533	0.509	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.56	180	5330	0.578	ug/L	100

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

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