

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090420\
 Data File : VW016460.D
 Acq On : 04 Sep 2020 12:31
 Operator : SY/VA
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 10:12:19 AM

Quant Time: Sep 05 04:49:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 05 04:32:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	764387	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	684698	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	333984	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	177460	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.52%
7) Chloroethane-d5	2.90	69	165045	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.64%
10) 1,1-Dichloroethene-d2	4.03	63	289803	15.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.16%
20) 2-Butanone-d5	7.08	46	125549	43.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.70%
24) Chloroform-d	7.65	84	393447	21.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.88%
26) 1,2-Dichloroethane-d4	8.31	65	217572m	22.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.88%
29) Benzene-d6	8.28	84	796785	22.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.56%
33) 1,2-Dichloropropane-d6	9.28	67	228078	22.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.20%
37) Toluene-d8	10.33	98	763667	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.32%
38) trans-1,3-Dichloropropene-	10.58	79	114686	22.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.92%
39) 2-Hexanone-d5	10.93	63	101658	48.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	202479	23.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	273994	23.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	4445	0.520 ug/L #	81
3) Chloromethane	2.22	50	4739	0.631 ug/L	98
5) Vinyl chloride	2.37	62	6828	0.714 ug/L #	43
6) Bromomethane	2.79	94	4390	0.614 ug/L	98
8) Chloroethane	2.93	64	3580m	0.609 ug/L	
9) Trichlorofluoromethane	3.27	101	4183	0.534 ug/L #	67
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	8312m	0.897 ug/L	
12) 1,1-Dichloroethene	4.04	96	7716	0.819 ug/L #	1
13) Acetone	4.13	43	5364m	2.886 ug/L	
14) Carbon disulfide	4.39	76	15227	0.529 ug/L #	89
15) Methyl Acetate	4.68	43	2723m	0.604 ug/L	
16) Methylene chloride	4.92	84	28496m	2.389 ug/L	
17) Methyl tert-butyl Ether	5.43	73	9330	0.660 ug/L #	57
18) trans-1,2-Dichloroethene	5.43	96	5815	0.581 ug/L	93
19) 1,1-Dichloroethane	6.22	63	9572	0.562 ug/L	91
21) 2-Butanone	7.14	43	10356m	3.319 ug/L	
22) cis-1,2-Dichloroethene	7.18	96	6671	0.640 ug/L	88

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

23) Bromochloromethane	7.52	128	2808m	0.581	ug/L	
25) Chloroform	7.69	83	12108m	0.687	ug/L	
27) 1,2-Dichloroethane	8.40	62	7243	0.617	ug/L #	91
30) Cyclohexane	7.96	56	9057	0.554	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	8934m	0.603	ug/L	
32) Carbon tetrachloride	8.07	117	8274	0.583	ug/L	99
34) Benzene	8.33	78	21543	0.575	ug/L	100
35) Trichloroethene	9.10	95	6437	0.621	ug/L	96
36) Methylcyclohexane	9.34	83	11042m	0.608	ug/L	
40) 1,2-Dichloropropane	9.38	63	5383	0.582	ug/L #	94
41) Bromodichloromethane	9.65	83	7144	0.552	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	9066	0.577	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	12974	1.979	ug/L	94
44) Toluene	10.39	91	24840	0.593	ug/L	99
45) trans-1,3-Dichloropropene	10.62	75	7587	0.540	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	4550	0.620	ug/L	97
47) Tetrachloroethene	10.87	164	4847	0.583	ug/L	80
49) 2-Hexanone	10.97	43	5176	1.134	ug/L	94
50) Dibromochloromethane	11.13	129	5335	0.575	ug/L	93
51) 1,2-Dibromoethane	11.24	107	4497	0.613	ug/L #	91
52) Chlorobenzene	11.66	112	15249	0.574	ug/L	94
53) Ethylbenzene	11.73	91	26886	0.570	ug/L	94
54) m,p-Xylene	11.84	106	10436	0.579	ug/L	87
55) o-xylene	12.17	106	9812	0.571	ug/L	95
56) Styrene	12.18	104	15954	0.541	ug/L	99
57) Isopropylbenzene	12.47	105	28130	0.598	ug/L #	86
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	6216	0.711	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	4018m	0.615	ug/L	
62) Bromoform	12.35	173	2742	0.489	ug/L #	91
63) 1,3-Dichlorobenzene	13.51	146	11997	0.571	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	12274	0.589	ug/L	88
65) 1,2-Dichlorobenzene	13.87	146	10553	0.565	ug/L #	82
66) 1,2-Dibromo-3-chloropropan	14.48	75	1101	0.633	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	8519	0.588	ug/L	93
68) 1,2,4-trichlorobenzene	15.13	180	6875	0.548	ug/L	95
69) Naphthalene	15.37	128	13230	0.500	ug/L	97
70) 1,2,3-Trichlorobenzene	15.56	180	5535	0.514	ug/L	98

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

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