

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK22

Manual Integrations
 APPROVED

MMDadoda
 4/9/2021 9:27:49 AM

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	411280	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	317535	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	97341	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	124617	21.77	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	87.08%		
7) Chloroethane-d5	2.891	69	100584	20.08	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.32%		
10) 1,1-Dichloroethene-d2	4.019	63	147881	14.96	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	59.84%		
20) 2-Butanone-d5	7.086	46	53916	42.31	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	84.62%		
24) Chloroform-d	7.653	84	218523	20.86	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	83.44%		
26) 1,2-Dichloroethane-d4	8.305	65	141168	23.09	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	92.36%		
29) Benzene-d6	8.274	84	406795	24.10	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	96.40%		
33) 1,2-Dichloropropane-d6	9.274	67	122787	25.22	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	100.88%		
37) Toluene-d8	10.323	98	352651	21.70	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	86.80%		
38) trans-1,3-Dichloroprop...	10.579	79	49119	19.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	78.24%		
39) 2-Hexanone-d5	10.926	63	43607	45.76	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	91.52%		
48) 1,1,2,2-Tetrachloroeth...	12.694	84	109184	25.07	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	100.28%		
61) 1,2-Dichlorobenzene-d4	13.853	152	63421	18.33	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	73.32%#		
Target Compounds						
2) Dichlorodifluoromethane	2.007	85	6602	1.40	ug/L	94
3) Chloromethane	2.215	50	9770	1.64	ug/L	94
5) Vinyl chloride	2.367	62	14999	1.92	ug/L #	81
6) Bromomethane	2.788	94	9577	1.70	ug/L	100
8) Chloroethane	2.928	64	9164	1.88	ug/L	98
9) Trichlorofluoromethane	3.269	101	5507	1.40	ug/L	96
11) 1,1,2-Trichloro-1,2,2-...	4.074	101	9569m	1.89	ug/L	
12) 1,1-Dichloroethene	4.050	96	10403	2.02	ug/L #	1
13) Acetone	4.135	43	6103m	6.67	ug/L	
14) Carbon disulfide	4.397	76	22206m	1.43	ug/L	
15) Methyl Acetate	4.684	43	4647m	2.22	ug/L	
16) Methylene chloride	4.915	84	17798	2.64	ug/L	93
17) Methyl tert-butyl Ether	5.421	73	15883	2.11	ug/L #	92
18) trans-1,2-Dichloroethene	5.434	96	10369m	1.82	ug/L	
19) 1,1-Dichloroethane	6.214	63	17740	1.82	ug/L	96
21) 2-Butanone	7.165	43	16578m	11.40	ug/L	
22) cis-1,2-Dichloroethene	7.165	96	10987	1.83	ug/L	87
23) Bromochloromethane	7.519	128	5435	2.05	ug/L	95
25) Chloroform	7.671	83	20142	1.95	ug/L	78

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	8.403	62	14368	1.96	ug/L	99
30) Cyclohexane	7.964	56	9848m	1.31	ug/L	
31) 1,1,1-Trichloroethane	7.872	97	14319	2.02	ug/L	96
32) Carbon tetrachloride	8.073	117	11897	1.80	ug/L	98
34) Benzene	8.323	78	40219	2.19	ug/L	100
35) Trichloroethene	9.091	95	10356	2.04	ug/L	97
36) Methylcyclohexane	9.335	83	7404	0.83	ug/L	92
40) 1,2-Dichloropropane	9.366	63	10016	2.23	ug/L	98
41) Bromodichloromethane	9.646	83	12875	2.02	ug/L	98
42) cis-1,3-Dichloropropene	10.073	75	14133	1.86	ug/L	98
43) 4-Methyl-2-pentanone	10.213	43	13488	4.99	ug/L	93
44) Toluene	10.390	91	45828	2.19	ug/L	94
45) trans-1,3-Dichloropropene	10.603	75	14747	2.16	ug/L	96
46) 1,1,2-Trichloroethane	10.786	97	9247	2.58	ug/L	91
47) Tetrachloroethene	10.859	164	5818	1.51	ug/L	95
49) 2-Hexanone	10.963	43	15410	8.05	ug/L #	76
50) Dibromochloromethane	11.128	129	8520	2.01	ug/L	96
51) 1,2-Dibromoethane	11.237	107	8040	2.26	ug/L	99
52) Chlorobenzene	11.658	112	23496	1.77	ug/L	94
53) Ethylbenzene	11.731	91	37746	1.60	ug/L	100
54) m,p-Xylene	11.835	106	12840	1.43	ug/L	99
55) o-xylene	12.164	106	13055	1.52	ug/L	86
56) Styrene	12.182	104	18403	1.26	ug/L	95
57) Isopropylbenzene	12.463	105	28286	1.21	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.713	83	10984	2.53	ug/L	95
59) 1,2,3-Trichloropropane	12.768	75	8300	2.53	ug/L	97
62) Bromoform	12.347	173	4109	2.75	ug/L #	86
63) 1,3-Dichlorobenzene	13.499	146	9469	1.52	ug/L	96
64) 1,4-Dichlorobenzene	13.572	146	10300	1.64	ug/L	92
65) 1,2-Dichlorobenzene	13.871	146	9484	1.70	ug/L	99
66) 1,2-Dibromo-3-chloropr...	14.481	75	1455	2.89	ug/L #	68
67) 1,3,5-Trichlorobenzene	14.627	180	4698	1.05	ug/L	99
68) 1,2,4-trichlorobenzene	15.133	180	3552	0.93	ug/L #	94
69) Naphthalene	15.365	128	9528	1.20	ug/L	98
70) 1,2,3-Trichlorobenzene	15.548	180	2518	0.75	ug/L	94

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

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