

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW092021\
 Data File : VW022244.D
 Acq On : 20 Sep 2021 19:51
 Operator : SY/MD
 Sample : M3778-05MSD 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E4587MSD

Manual Integrations
 APPROVED

MMDadoda
 9/21/2021 1:51:06 PM

Quant Time: Sep 21 04:46:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 21 04:41:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	317722	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	302175	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	156932	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	93230	42.372	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.740%		
7) Chloroethane-d5	1.564	69	77458	45.080	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	90.160%		
11) 1,1-Dichloroethene-d2	2.105	63	179318	49.279	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.560%		
21) 2-Butanone-d5	3.902	46	162420	107.636	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	107.640%		
24) Chloroform-d	4.352	84	193262	48.171	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.340%		
26) 1,2-Dichloroethane-d4	5.034	65	114689	48.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.060%		
32) Benzene-d6	5.053	84	383842	46.833	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.660%		
36) 1,2-Dichloropropane-d6	6.072	67	121338	47.075	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.160%		
41) Toluene-d8	7.317	98	353799	45.729	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.460%		
43) trans-1,3-Dichloroprop...	7.625	79	54012	44.027	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.060%		
47) 2-Hexanone-d5	8.091	63	111297	112.536	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	112.540%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	162871	49.338	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.680%		
66) 1,2-Dichlorobenzene-d4	11.625	152	136423	44.220	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	74155	33.954	ug/L	100
3) Chloromethane	1.240	50	83189	35.972	ug/L	99
5) Vinyl chloride	1.307	62	92561	39.711	ug/L	98
6) Bromomethane	1.519	94	62084	44.302	ug/L	99
8) Chloroethane	1.584	64	62113	42.597	ug/L	100
9) Trichlorofluoromethane	1.751	101	148097	44.617	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	93720	48.138	ug/L	98
12) 1,1-Dichloroethene	2.114	96	85967	46.908	ug/L	95
13) Acetone	2.195	43	120838m	95.574	ug/L	
14) Carbon disulfide	2.291	76	199963	36.160	ug/L	99
15) Methyl Acetate	2.439	43	128495	52.187	ug/L	99
16) Methylene chloride	2.506	84	124892	50.864	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	98680	44.533	ug/L	99
18) Methyl tert-butyl Ether	2.770	73	344819	48.969	ug/L	99
19) 1,1-Dichloroethane	3.191	63	193937	49.140	ug/L	100
20) cis-1,2-Dichloroethene	3.912	96	114830	46.560	ug/L	100
22) 2-Butanone	3.985	43	176981	99.583	ug/L	99
23) Bromochloromethane	4.252	128	62727	47.758	ug/L	97
25) Chloroform	4.378	83	204174	48.871	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	146220	52.212	ug/L	99
29) Cyclohexane	4.680	56	141137	41.783	ug/L	99
30) 1,1,1-Trichloroethane	4.612	97	171873	47.857	ug/L	99
31) Carbon tetrachloride	4.831	117	143085	46.373	ug/L	99
33) Benzene	5.101	78	421650	47.961	ug/L	100
34) Trichloroethene	5.915	95	123162	49.457	ug/L	99
35) Methylcyclohexane	6.133	83	149390	41.035	ug/L	100
37) 1,2-Dichloropropane	6.175	63	112095	49.188	ug/L	100
38) Bromodichloromethane	6.513	83	143356	49.189	ug/L	100
39) cis-1,3-Dichloropropene	7.030	75	161035	45.768	ug/L	99
40) 4-Methyl-2-pentanone	7.230	43	341959	110.682	ug/L	99
42) Toluene	7.390	91	453511	47.795	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	156185	47.695	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	118374	51.050	ug/L	99
46) Tetrachloroethene	7.976	164	457809	236.428	ug/L	97
48) 2-Hexanone	8.143	43	268021	111.808	ug/L	96
49) Dibromochloromethane	8.249	129	121405	48.913	ug/L	98
50) 1,2-Dibromoethane	8.355	107	121995	49.022	ug/L	100
51) Chlorobenzene	8.882	112	299343	46.922	ug/L	99
52) Ethylbenzene	9.014	91	472924	46.042	ug/L	98
53) m,p-Xylene	9.140	106	184887	46.310	ug/L	99
54) o-Xylene	9.545	106	185762	47.025	ug/L	97
55) Styrene	9.561	104	324482	48.132	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.242	83	177970	52.973	ug/L	100
59) Bromoform	9.734	173	83421	50.049	ug/L	99
60) Isopropylbenzene	9.934	105	484398	49.123	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	148677	54.664	ug/L	99
62) 1,3,5-Trimethylbenzene	10.541	105	393739	47.561	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	401761	47.746	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	230616	46.062	ug/L	99
65) 1,4-Dichlorobenzene	11.275	146	232911	45.462	ug/L	99
67) 1,2-Dichlorobenzene	11.644	146	241577	48.595	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	34739	52.996	ug/L	98
69) 1,3,5-Trichlorobenzene	12.648	180	160114	42.769	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	137142	41.643	ug/L	100
71) Naphthalene	13.503	128	468190	49.422	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	147798	46.012	ug/L	100

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

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