

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042921\
 Data File : VW021218.D
 Acq On : 29 Apr 2021 14:10
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050186

Manual Integrations
 APPROVED

MMDadoda
 4/30/2021 3:50:20 PM

Quant Time: Apr 30 05:50:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM042121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 29 04:12:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	595823	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	590638	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	352960	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	164822	33.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.34%
7) Chloroethane-d5	1.568	69	127744	35.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.94%
11) 1,1-Dichloroethene-d2	2.108	63	362983	40.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.40%
21) 2-Butanone-d5	3.892	46	221977	92.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.85%
24) Chloroform-d	4.349	84	390667	44.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.52%
26) 1,2-Dichloroethane-d4	5.034	65	292736	52.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.52%
32) Benzene-d6	5.050	84	685241	43.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.12%
36) 1,2-Dichloropropane-d6	6.069	67	183331	39.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.10%
41) Toluene-d8	7.317	98	695218	45.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.34%
43) trans-1,3-Dichloroprop...	7.622	79	118714	46.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.54%
47) 2-Hexanone-d5	8.092	63	166686	89.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.51%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	290431	41.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.02%
66) 1,2-Dichlorobenzene-d4	11.632	152	332774	47.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.46%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	277846	46.19	ug/L	100
3) Chloromethane	1.243	50	193845	37.44	ug/L	99
5) Vinyl chloride	1.311	62	207862	39.22	ug/L	99
6) Bromomethane	1.523	94	149071	41.74	ug/L	100
8) Chloroethane	1.587	64	123449	39.48	ug/L	97
9) Trichlorofluoromethane	1.754	101	443898	47.00	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	197948	42.25	ug/L	92
12) 1,1-Dichloroethene	2.118	96	179268	42.15	ug/L	92
13) Acetone	2.192	43	285455	127.83	ug/L	80
14) Carbon disulfide	2.294	76	519406	44.52	ug/L	98
15) Methyl Acetate	2.436	43	175950	47.64	ug/L	98
16) Methylene chloride	2.507	84	198905	44.84	ug/L	99
17) trans-1,2-Dichloroethene	2.761	96	196744	48.14	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	641589	51.14	ug/L #	92
19) 1,1-Dichloroethane	3.188	63	335540	45.50	ug/L	99
20) cis-1,2-Dichloroethene	3.909	96	210673m	48.30	ug/L	
22) 2-Butanone	3.976	43	274162	106.00	ug/L	99
23) Bromochloromethane	4.246	128	122677	48.81	ug/L	94
25) Chloroform	4.375	83	396925	47.82	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	357036	54.02	ug/L	100
29) Cyclohexane	4.677	56	271195	45.12	ug/L	95
30) 1,1,1-Trichloroethane	4.606	97	410736	51.91	ug/L	99
31) Carbon tetrachloride	4.828	117	386335	52.87	ug/L	98
33) Benzene	5.098	78	766173	46.53	ug/L	100
34) Trichloroethene	5.915	95	223937	49.14	ug/L	97
35) Methylcyclohexane	6.130	83	329625	48.13	ug/L	97
37) 1,2-Dichloropropane	6.175	63	174845	43.23	ug/L	98
38) Bromodichloromethane	6.513	83	306590	48.65	ug/L	97
39) cis-1,3-Dichloropropene	7.027	75	312247	47.34	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	495576	101.37	ug/L	96
42) Toluene	7.387	91	885646	49.00	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	331380	48.55	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	204447	46.54	ug/L	96
46) Tetrachloroethene	7.979	164	207035	50.80	ug/L	95
48) 2-Hexanone	8.140	43	407612	105.88	ug/L	96
49) Dibromochloromethane	8.249	129	268986	49.72	ug/L	99
50) 1,2-Dibromoethane	8.355	107	223929	47.16	ug/L	98
51) Chlorobenzene	8.883	112	596856	48.01	ug/L	99
52) Ethylbenzene	9.014	91	1009285	50.36	ug/L	98
53) m,p-Xylene	9.140	106	392741	51.42	ug/L	96
54) o-Xylene	9.548	106	389670	51.94	ug/L	99
55) Styrene	9.564	104	662067	52.24	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.246	83	292821	41.94	ug/L	99
59) Bromoform	9.735	173	215870	49.89	ug/L	98
60) Isopropylbenzene	9.934	105	1039833	49.28	ug/L	99
61) 1,2,3-Trichloropropane	10.278	75	264467	44.44	ug/L	97
62) 1,3,5-Trimethylbenzene	10.545	105	923670	51.55	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	941709	52.70	ug/L	98
64) 1,3-Dichlorobenzene	11.185	146	541417	51.51	ug/L	98
65) 1,4-Dichlorobenzene	11.278	146	548388	50.78	ug/L	98
67) 1,2-Dichlorobenzene	11.648	146	541335	49.89	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.432	75	88432	49.58	ug/L	96
69) 1,3,5-Trichlorobenzene	12.651	180	439340	53.74	ug/L	98
70) 1,2,4-trichlorobenzene	13.268	180	370775	55.34	ug/L	98
71) Naphthalene	13.509	128	997127	53.43	ug/L	99
72) 1,2,3-Trichlorobenzene	13.751	180	384093	56.18	ug/L	99

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

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