

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041321\
 Data File : VW020993.D
 Acq On : 13 Apr 2021 12:05
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

Manual Integrations
 APPROVED

MMDadoda
 4/16/2021 9:45:49 AM

Quant Time: Apr 14 03:43:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM041321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 14 03:24:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	578762	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	551071	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.255	152	319147	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.311	65	161372	48.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.68%
7) Chloroethane-d5	1.571	69	123538	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.111	63	331381	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.62%
21) 2-Butanone-d5	3.892	46	194580	98.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.77%
24) Chloroform-d	4.349	84	384625	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
26) 1,2-Dichloroethane-d4	5.034	65	258469	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
32) Benzene-d6	5.050	84	688434	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
36) 1,2-Dichloropropane-d6	6.072	67	191241	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.76%
41) Toluene-d8	7.317	98	703782	51.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.00%
43) trans-1,3-Dichloroprop...	7.622	79	122224	51.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.68%
47) 2-Hexanone-d5	8.092	63	171445	106.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.05%
57) 1,1,2,2-Tetrachloroeth...	10.220	84	298068	49.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.50%
64) 1,2-Dichlorobenzene-d4	11.632	152	324699	50.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.36%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	233708	46.48	ug/L	100
3) Chloromethane	1.243	50	163266	45.00	ug/L	100
5) Vinyl chloride	1.314	62	175916	47.68	ug/L	94
6) Bromomethane	1.526	94	125616	54.88	ug/L	97
8) Chloroethane	1.590	64	115268	42.64	ug/L	100
9) Trichlorofluoromethane	1.754	101	395375	46.68	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	192642	46.29	ug/L	97
12) 1,1-Dichloroethene	2.121	96	170666	47.23	ug/L	96
13) Acetone	2.188	43	147291	82.74	ug/L	100
14) Carbon disulfide	2.298	76	489459	46.74	ug/L	100
15) Methyl Acetate	2.439	43	146148	49.12	ug/L	98
16) Methylene chloride	2.510	84	184374	46.80	ug/L	99
17) trans-1,2-Dichloroethene	2.761	96	187072	47.25	ug/L	97
18) Methyl tert-butyl Ether	2.770	73	594432	49.17	ug/L	99
19) 1,1-Dichloroethane	3.191	63	316032	46.91	ug/L	98
20) cis-1,2-Dichloroethene	3.912	96	202702	48.28	ug/L	97
22) 2-Butanone	3.976	43	208682m	94.41	ug/L	
23) Bromochloromethane	4.253	128	117314	47.14	ug/L	98
25) Chloroform	4.378	83	390262	47.45	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	294350	45.34	ug/L	99
29) Cyclohexane	4.680	56	263659	52.39	ug/L	97
30) 1,1,1-Trichloroethane	4.609	97	384468	49.25	ug/L	98
31) Carbon tetrachloride	4.831	117	357123	48.56	ug/L	100
33) Benzene	5.101	78	724241	50.18	ug/L	100
34) Trichloroethene	5.915	95	205088	48.90	ug/L	95
35) Methylcyclohexane	6.133	83	315579	50.83	ug/L	99
37) 1,2-Dichloropropane	6.175	63	168365	48.87	ug/L	100
38) Bromodichloromethane	6.513	83	291571	48.51	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	316330	53.38	ug/L	98
40) 4-Methyl-2-pentanone	7.230	43	414230	102.47	ug/L	99
42) Toluene	7.391	91	843732	50.38	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	317428	50.29	ug/L	97
45) 1,1,2-Trichloroethane	7.841	97	197157	49.74	ug/L	98
46) Tetrachloroethene	7.979	164	200617	48.43	ug/L	96
48) 2-Hexanone	8.143	43	328731	101.85	ug/L	98
49) Dibromochloromethane	8.249	129	267271	49.45	ug/L	98
50) 1,2-Dibromoethane	8.355	107	218339	49.04	ug/L	96
51) Chlorobenzene	8.886	112	575616	49.32	ug/L	98
52) Ethylbenzene	9.014	91	963157	50.30	ug/L	99
53) m,p-Xylene	9.143	106	369886	49.42	ug/L	98
54) o-xylene	9.548	106	367807	51.52	ug/L	93
55) Styrene	9.564	104	628094	51.84	ug/L	98
56) Isopropylbenzene	9.934	105	1008586	50.86	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.246	83	306504	48.62	ug/L	99
59) 1,2,3-Trichloropropane	10.278	75	250213	49.57	ug/L	96
61) Bromoform	9.735	173	209124	49.09	ug/L	100
62) 1,3-Dichlorobenzene	11.185	146	505463	49.06	ug/L	99
63) 1,4-Dichlorobenzene	11.278	146	513185	48.40	ug/L	99
65) 1,2-Dichlorobenzene	11.648	146	507432	48.95	ug/L	99
66) 1,2-Dibromo-3-chloropr...	12.435	75	78854	50.22	ug/L	98
67) 1,3,5-Trichlorobenzene	12.651	180	414861	48.91	ug/L	100
68) 1,2,4-trichlorobenzene	13.268	180	349427	49.56	ug/L	100
69) Naphthalene	13.509	128	995944	53.54	ug/L	100
70) 1,2,3-Trichlorobenzene	13.751	180	358650	50.78	ug/L	99

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

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