

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052821\
 Data File : VV021448.D
 Acq On : 28 May 2021 10:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050190

Manual Integrations
 APPROVED

SAM
 6/1/2021 6:40:24 PM

Quant Time: May 29 00:40:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM052721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 28 02:47:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	500602	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	468614	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	272624	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	148003	44.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.82%
7) Chloroethane-d5	1.568	69	118523	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.68%
11) 1,1-Dichloroethene-d2	2.108	63	263605	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.62%
21) 2-Butanone-d5	3.889	46	243715	103.12	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.12%
24) Chloroform-d	4.352	84	319540	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.034	65	183798	48.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.28%
32) Benzene-d6	5.053	84	630793	48.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.24%
36) 1,2-Dichloropropane-d6	6.072	67	197455	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.54%
41) Toluene-d8	7.317	98	601747	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%
43) trans-1,3-Dichloroprop...	7.622	79	104172	48.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.16%
47) 2-Hexanone-d5	8.088	63	189381	101.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.87%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	280445	49.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.80%
66) 1,2-Dichlorobenzene-d4	11.625	152	272513	48.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.18%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	167446	48.26	ug/L	99
3) Chloromethane	1.240	50	167084	48.34	ug/L	99
5) Vinyl chloride	1.310	62	174026	49.06	ug/L	99
6) Bromomethane	1.523	94	120265	49.50	ug/L	97
8) Chloroethane	1.584	64	100920	50.03	ug/L	100
9) Trichlorofluoromethane	1.751	101	258556	49.14	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	153294	50.12	ug/L	99
12) 1,1-Dichloroethene	2.117	96	144675	49.24	ug/L	98
13) Acetone	2.182	43	188278m	92.59	ug/L	
14) Carbon disulfide	2.294	76	448868	48.46	ug/L	99
15) Methyl Acetate	2.433	43	174512	50.09	ug/L	99
16) Methylene chloride	2.507	84	175519	47.69	ug/L	98
17) trans-1,2-Dichloroethene	2.761	96	167757	50.05	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	528319	49.72	ug/L	99
19) 1,1-Dichloroethane	3.191	63	291080	49.00	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	184158	49.11	ug/L	99
22) 2-Butanone	3.973	43	254419	98.76	ug/L	98
23) Bromochloromethane	4.249	128	102214	49.21	ug/L	98
25) Chloroform	4.378	83	304221	49.49	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	214352	50.48	ug/L	99
29) Cyclohexane	4.680	56	269458	49.36	ug/L	100
30) 1,1,1-Trichloroethane	4.609	97	282041	48.76	ug/L	99
31) Carbon tetrachloride	4.831	117	258822	49.29	ug/L	100
33) Benzene	5.101	78	658592	49.10	ug/L	100
34) Trichloroethene	5.915	95	178293	48.90	ug/L	99
35) Methylcyclohexane	6.133	83	291363	49.78	ug/L	99
37) 1,2-Dichloropropane	6.175	63	165898	48.51	ug/L	100
38) Bromodichloromethane	6.513	83	236157	49.21	ug/L	100
39) cis-1,3-Dichloropropene	7.030	75	289259	50.31	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	464360	100.14	ug/L	100
42) Toluene	7.391	91	729781	49.05	ug/L	100
44) trans-1,3-Dichloropropene	7.651	75	275336	50.62	ug/L	99
45) 1,1,2-Trichloroethane	7.841	97	172071	49.58	ug/L	99
46) Tetrachloroethene	7.976	164	167128	49.86	ug/L	98
48) 2-Hexanone	8.140	43	353572	99.42	ug/L	98
49) Dibromochloromethane	8.246	129	211751	48.72	ug/L	98
50) 1,2-Dibromoethane	8.352	107	188586	49.37	ug/L	100
51) Chlorobenzene	8.882	112	485660	49.37	ug/L	99
52) Ethylbenzene	9.014	91	810115	49.57	ug/L	100
53) m,p-Xylene	9.140	106	316149	50.35	ug/L	99
54) o-Xylene	9.545	106	309969	49.99	ug/L	98
55) Styrene	9.561	104	532020	49.86	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	269255	49.70	ug/L	99
59) Bromoform	9.731	173	182137	49.51	ug/L	99
60) Isopropylbenzene	9.931	105	835735	49.47	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	206868	48.29	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	714291	49.11	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	724865	49.34	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	424312	49.73	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	425126	49.35	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	416833	48.79	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.429	75	64050	48.00	ug/L	95
69) 1,3,5-Trichlorobenzene	12.644	180	360611	50.10	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	323709	50.34	ug/L	100
71) Naphthalene	13.500	128	895944	50.51	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	314398	50.23	ug/L	100

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

