

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040221\
 Data File : VV020906.D
 Acq On : 03 Apr 2021 03:01
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Manual Integrations
 APPROVED

MMDadoda
 4/6/2021 3:13:32 PM

Quant Time: Apr 03 03:33:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM032321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 03 02:06:54 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	632389	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	609656	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.255	152	353408	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	160290	35.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.40%
7) Chloroethane-d5	1.571	69	134390	39.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.18%
11) 1,1-Dichloroethene-d2	2.111	63	354824	41.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.78%
21) 2-Butanone-d5	3.902	46	274545	93.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.99%
24) Chloroform-d	4.352	84	460729	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.26%
26) 1,2-Dichloroethane-d4	5.037	65	304705	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.66%
32) Benzene-d6	5.053	84	809111	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
36) 1,2-Dichloropropane-d6	6.072	67	233293	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.52%
41) Toluene-d8	7.320	98	798498	52.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.58%
43) trans-1,3-Dichloroprop...	7.625	79	137090	51.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.28%
47) 2-Hexanone-d5	8.091	63	215025	102.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.80%
57) 1,1,2,2-Tetrachloroeth...	10.220	84	359345	49.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.90%
64) 1,2-Dichlorobenzene-d4	11.631	152	369365	53.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.70%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	274139	46.27	ug/L	99
3) Chloromethane	1.243	50	183836	38.87	ug/L	99
5) Vinyl chloride	1.314	62	209904	43.44	ug/L	98
6) Bromomethane	1.526	94	156093	51.24	ug/L	98
8) Chloroethane	1.587	64	128348	45.98	ug/L	98
9) Trichlorofluoromethane	1.754	101	442594	53.59	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	207662	52.31	ug/L	93
12) 1,1-Dichloroethene	2.117	96	191207	51.81	ug/L	89
13) Acetone	2.195	43	181786	87.27	ug/L	66
14) Carbon disulfide	2.294	76	535008	43.84	ug/L	99
15) Methyl Acetate	2.439	43	200427m	46.09	ug/L	
16) Methylene chloride	2.510	84	221784	49.28	ug/L	90
17) trans-1,2-Dichloroethene	2.764	96	208550	49.28	ug/L	95
18) Methyl tert-butyl Ether	2.770	73	709553	54.08	ug/L	97
19) 1,1-Dichloroethane	3.191	63	385459	49.03	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	231808	51.20	ug/L	95
22) 2-Butanone	3.982	43	282063	92.52	ug/L	96
23) Bromochloromethane	4.252	128	136148	55.86	ug/L #	81
25) Chloroform	4.378	83	449532	53.76	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	356208	53.32	ug/L	99
29) Cyclohexane	4.680	56	304553	44.17	ug/L	91
30) 1,1,1-Trichloroethane	4.609	97	441233	58.52	ug/L	97
31) Carbon tetrachloride	4.831	117	397657	59.05	ug/L	100
33) Benzene	5.104	78	863792	51.37	ug/L	100
34) Trichloroethene	5.918	95	243359	52.79	ug/L	93
35) Methylcyclohexane	6.133	83	343614	48.58	ug/L	93
37) 1,2-Dichloropropane	6.175	63	211367	47.93	ug/L	97
38) Bromodichloromethane	6.513	83	334837	54.07	ug/L	98
39) cis-1,3-Dichloropropene	7.030	75	337391	49.56	ug/L	99
40) 4-Methyl-2-pentanone	7.230	43	548559	92.77	ug/L #	93
42) Toluene	7.390	91	978732	53.55	ug/L	99
44) trans-1,3-Dichloropropene	7.654	75	353939	51.63	ug/L	98
45) 1,1,2-Trichloroethane	7.841	97	229941	53.00	ug/L	95
46) Tetrachloroethene	7.979	164	216229	56.20	ug/L	97
48) 2-Hexanone	8.143	43	446779	98.97	ug/L #	96
49) Dibromochloromethane	8.249	129	294105	58.20	ug/L	100
50) 1,2-Dibromoethane	8.355	107	260028	55.97	ug/L	98
51) Chlorobenzene	8.886	112	654305	53.33	ug/L	97
52) Ethylbenzene	9.017	91	1109835	53.21	ug/L	99
53) m,p-Xylene	9.143	106	419906	54.13	ug/L	99
54) o-xylene	9.548	106	418279	55.94	ug/L	94
55) Styrene	9.564	104	732788	55.77	ug/L	98
56) Isopropylbenzene	9.937	105	1152950	55.99	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.246	83	350406	49.52	ug/L	98
59) 1,2,3-Trichloropropane	10.278	75	304802	52.93	ug/L	98
61) Bromoform	9.734	173	227502	56.70	ug/L	99
62) 1,3-Dichlorobenzene	11.185	146	558785	51.81	ug/L	100
63) 1,4-Dichlorobenzene	11.278	146	561450	50.06	ug/L	99
65) 1,2-Dichlorobenzene	11.648	146	573445	53.95	ug/L	98
66) 1,2-Dibromo-3-chloropr...	12.435	75	90472	50.35	ug/L	88
67) 1,3,5-Trichlorobenzene	12.651	180	432445	51.73	ug/L	100
68) 1,2,4-trichlorobenzene	13.268	180	358822	50.62	ug/L	98
69) Naphthalene	13.509	128	1087576	53.61	ug/L	99
70) 1,2,3-Trichlorobenzene	13.750	180	382529	53.89	ug/L	99

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

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