

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040221\
 Data File : VV020871.D
 Acq On : 02 Apr 2021 11:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Apr 03 00:29:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SOMVLM032321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 02 08:30:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	691720	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	675167	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.252	152	400258	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	172896	35.21	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	70.42%		
7) Chloroethane-d5	1.571	69	142076	38.27	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	76.54%		
11) 1,1-Dichloroethene-d2	2.111	63	380675	41.09	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.18%		
21) 2-Butanone-d5	3.899	46	282064	88.28	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	88.28%		
24) Chloroform-d	4.352	84	469612	48.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.22%		
26) 1,2-Dichloroethane-d4	5.037	65	308861	48.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.08%		
32) Benzene-d6	5.053	84	855173	47.52	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.04%		
36) 1,2-Dichloropropane-d6	6.072	67	250764	45.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.78%		
41) Toluene-d8	7.317	98	849563	50.72	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.44%		
43) trans-1,3-Dichloroprop...	7.622	79	148465	50.50	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.00%		
47) 2-Hexanone-d5	8.092	63	223487	96.48	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.48%		
57) 1,1,2,2-Tetrachloroeth...	10.220	84	373915	46.46	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.92%		
64) 1,2-Dichlorobenzene-d4	11.632	152	387263	49.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.70%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	315422	48.67	ug/L	99
3) Chloromethane	1.243	50	208550	40.31	ug/L	100
5) Vinyl chloride	1.314	62	233740	44.23	ug/L	99
6) Bromomethane	1.523	94	173874	52.19	ug/L	98
8) Chloroethane	1.587	64	143816	47.11	ug/L	99
9) Trichlorofluoromethane	1.754	101	480468	53.19	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	236724	54.52	ug/L	93
12) 1,1-Dichloroethene	2.118	96	211221	52.33	ug/L	90
13) Acetone	2.192	43	268114	117.68	ug/L	99
14) Carbon disulfide	2.294	76	620405	46.48	ug/L	99
15) Methyl Acetate	2.439	43	217994	45.83	ug/L	93
16) Methylene chloride	2.510	84	252740	51.34	ug/L	89
17) trans-1,2-Dichloroethene	2.761	96	241593	52.19	ug/L	95
18) Methyl tert-butyl Ether	2.770	73	770334	53.68	ug/L	98
19) 1,1-Dichloroethane	3.191	63	427782	49.74	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	263443	53.19	ug/L	95
22) 2-Butanone	3.982	43	331220	99.32	ug/L	93
23) Bromochloromethane	4.249	128	148981	55.88	ug/L	85
25) Chloroform	4.378	83	487637	53.31	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.133	62	392957	53.78	ug/L	100
29) Cyclohexane	4.680	56	350439	45.89	ug/L	90
30) 1,1,1-Trichloroethane	4.609	97	481626	57.68	ug/L	97
31) Carbon tetrachloride	4.831	117	427743	57.35	ug/L	97
33) Benzene	5.101	78	955987	51.34	ug/L	100
34) Trichloroethene	5.915	95	271864	53.26	ug/L	96
35) Methylcyclohexane	6.133	83	408742	52.18	ug/L	94
37) 1,2-Dichloropropane	6.175	63	231049	47.31	ug/L #	97
38) Bromodichloromethane	6.513	83	370802	54.07	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	389964	51.72	ug/L	97
40) 4-Methyl-2-pentanone	7.230	43	613918	93.74	ug/L #	94
42) Toluene	7.391	91	1092113	53.96	ug/L	98
44) trans-1,3-Dichloropropene	7.654	75	414389	54.58	ug/L	100
45) 1,1,2-Trichloroethane	7.841	97	261354	54.40	ug/L	96
46) Tetrachloroethene	7.979	164	245294	57.57	ug/L	99
48) 2-Hexanone	8.143	43	492918	98.60	ug/L #	94
49) Dibromochloromethane	8.249	129	321584	57.47	ug/L	97
50) 1,2-Dibromoethane	8.355	107	284104	55.22	ug/L #	98
51) Chlorobenzene	8.886	112	738585	54.36	ug/L	98
52) Ethylbenzene	9.014	91	1247647	54.01	ug/L	99
53) m,p-Xylene	9.143	106	480842	55.97	ug/L	96
54) o-xylene	9.548	106	468182	56.54	ug/L	96
55) Styrene	9.564	104	817174	56.16	ug/L	97
56) Isopropylbenzene	9.934	105	1296498	56.85	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.246	83	391700	49.98	ug/L	100
59) 1,2,3-Trichloropropane	10.278	75	331244	51.94	ug/L	99
61) Bromoform	9.735	173	248377	54.66	ug/L	99
62) 1,3-Dichlorobenzene	11.185	146	630260	51.60	ug/L	98
63) 1,4-Dichlorobenzene	11.278	146	636683	50.12	ug/L	99
65) 1,2-Dichlorobenzene	11.648	146	641729	53.31	ug/L	98
66) 1,2-Dibromo-3-chloropr...	12.435	75	99444	48.86	ug/L	87
67) 1,3,5-Trichlorobenzene	12.651	180	507980	53.65	ug/L	100
68) 1,2,4-trichlorobenzene	13.268	180	436773	54.41	ug/L	99
69) Naphthalene	13.509	128	1256869	54.70	ug/L	100
70) 1,2,3-Trichlorobenzene	13.751	180	446680	55.56	ug/L	99

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

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