

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
 Data File : VV019595.D
 Acq On : 14 Dec 2020 10:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05087

Manual Integrations
 APPROVED

MMDadoda
 12/16/2020 12:36:08 PM

Quant Time: Dec 15 07:19:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 14 14:17:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	719949	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.85	117	669388	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	328171	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	205963	39.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.80%
7) Chloroethane-d5	1.57	69	180882	44.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.84%
11) 1,1-Dichloroethene-d2	2.11	63	417135	43.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.06%
21) 2-Butanone-d5	3.89	46	296942	105.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.82%
24) Chloroform-d	4.35	84	427277	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
26) 1,2-Dichloroethane-d4	5.03	65	281643	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
32) Benzene-d6	5.05	84	804027	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
36) 1,2-Dichloropropane-d6	6.07	67	262667	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.94%
41) Toluene-d8	7.32	98	714147	44.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.86%
43) trans-1,3-Dichloropropene-	7.62	79	139841	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.92%
47) 2-Hexanone-d5	8.09	63	221342	100.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.84%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	360656	47.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.36%
64) 1,2-Dichlorobenzene-d4	11.63	152	273511	44.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	260434	44.824	ug/L	99
3) Chloromethane	1.24	50	274771	44.492	ug/L	100
5) Vinyl chloride	1.31	62	277965	44.872	ug/L	98
6) Bromomethane	1.52	94	168460	45.283	ug/L	99
8) Chloroethane	1.59	64	171366	45.863	ug/L	100
9) Trichlorofluoromethane	1.76	101	349814	46.221	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	201446	48.197	ug/L	99
12) 1,1-Dichloroethene	2.12	96	196987m	45.928	ug/L	
13) Acetone	2.19	43	223801	93.621	ug/L	99
14) Carbon disulfide	2.30	76	616401	43.739	ug/L	99
15) Methyl Acetate	2.43	43	250709	48.137	ug/L	100
16) Methylene chloride	2.51	84	227284	45.197	ug/L	98
17) trans-1,2-Dichloroethene	2.76	96	214259	45.576	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	744309	45.310	ug/L	100
19) 1,1-Dichloroethane	3.19	63	417313	45.788	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	232821	45.052	ug/L #	96
22) 2-Butanone	3.97	43	362336	103.331	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	114822	45.157	ug/L	97
25) Chloroform	4.38	83	415626	45.661	ug/L	99
27) 1,2-Dichloroethane	5.13	62	344749	45.717	ug/L	99
29) Cyclohexane	4.68	56	378188	46.098	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	376185	44.820	ug/L	99
31) Carbon tetrachloride	4.83	117	317890	44.865	ug/L	100
33) Benzene	5.10	78	888970	45.441	ug/L	100
34) Trichloroethene	5.91	95	234704	45.416	ug/L	98
35) Methylcyclohexane	6.13	83	380429	48.456	ug/L	99
37) 1,2-Dichloropropane	6.17	63	234947	45.987	ug/L	99
38) Bromodichloromethane	6.51	83	317914	44.500	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	384934	45.365	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	695589	94.371	ug/L	99
42) Toluene	7.39	91	939491	45.564	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	383010	44.579	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	218149	44.964	ug/L	100
46) Tetrachloroethene	7.97	164	165186	46.194	ug/L	99
48) 2-Hexanone	8.14	43	530941	94.933	ug/L	99
49) Dibromochloromethane	8.25	129	238590	44.906	ug/L	98
50) 1,2-Dibromoethane	8.35	107	231822	45.375	ug/L	97
51) Chlorobenzene	8.88	112	590968	44.875	ug/L	100
52) Ethylbenzene	9.01	91	1072542	45.655	ug/L	99
53) m,p-Xylene	9.14	106	393332	44.816	ug/L	100
54) o-xylene	9.54	106	386675	44.949	ug/L	99
55) Styrene	9.56	104	677215	45.168	ug/L	98
56) Isopropylbenzene	9.93	105	1052563	45.928	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	357016	45.759	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	293965	46.259	ug/L	100
61) Bromoform	9.73	173	159778	44.002	ug/L	100
62) 1,3-Dichlorobenzene	11.18	146	450399	44.733	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	456454	44.769	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	450665	45.297	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.43	75	92430	44.506	ug/L	97
67) 1,3,5-Trichlorobenzene	12.65	180	333187	46.837	ug/L	99
68) 1,2,4-trichlorobenzene	13.26	180	303056	45.563	ug/L	100
69) Naphthalene	13.50	128	1048774	45.410	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	297185	45.721	ug/L	99

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

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