

Data File : VV016524.D
Acq On : 05 Jun 2020 10:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05098

Manual Integrations
APPROVED

sam
6/6/2020 11:32:12 AM

Quant Time: Jun 06 00:06:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 05 01:52:01 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	383150	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	368496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	191901	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	122652	45.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.38%
7) Chloroethane-d5	1.57	69	89665	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.54%
11) 1,1-Dichloroethene-d2	2.12	63	215745	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
21) 2-Butanone-d5	3.89	46	193756	111.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.66%
24) Chloroform-d	4.37	84	259591	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
26) 1,2-Dichloroethane-d4	5.05	65	173669	50.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.84%
32) Benzene-d6	5.07	84	501113	50.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.54%
36) 1,2-Dichloropropane-d6	6.09	67	153819	50.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.02%
41) Toluene-d8	7.34	98	462574	51.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.64	79	77646	51.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.60%
47) 2-Hexanone-d5	8.11	63	150875	114.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	217271	52.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	189884	52.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	155375	49.149	ug/L 100
3) Chloromethane	1.25	50	156625	51.422	ug/L 96
5) Vinyl chloride	1.32	62	135304	45.975	ug/L 99
6) Bromomethane	1.51	94	73622	48.088	ug/L 97
8) Chloroethane	1.59	64	74133	44.948	ug/L 94
9) Trichlorofluoromethane	1.76	101	202525	47.654	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104037	47.065	ug/L 100
12) 1,1-Dichloroethene	2.13	96	93965	44.173	ug/L 95
13) Acetone	2.17	43	134342	82.836	ug/L 99
14) Carbon disulfide	2.31	76	337973	45.892	ug/L 99
15) Methyl Acetate	2.44	43	150042	50.336	ug/L 100
16) Methylene chloride	2.52	84	140762	46.938	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	128076	47.719	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	416968	50.182	ug/L 99
19) 1,1-Dichloroethane	3.21	63	238383	48.025	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	140305m	48.439	ug/L
22) 2-Butanone	3.98	43	212977	105.828	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	72552	48.676	ug/L	97
25) Chloroform	4.40	83	245812	47.247	ug/L	98
27) 1,2-Dichloroethane	5.15	62	208432	49.305	ug/L	98
29) Cyclohexane	4.70	56	228223	52.182	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	222808	49.613	ug/L	99
31) Carbon tetrachloride	4.85	117	194063	50.245	ug/L	98
33) Benzene	5.12	78	528180	48.737	ug/L	100
34) Trichloroethene	5.94	95	135968	47.814	ug/L	95
35) Methylcyclohexane	6.15	83	226616	55.519	ug/L	99
37) 1,2-Dichloropropane	6.20	63	141142	49.966	ug/L	100
38) Bromodichloromethane	6.53	83	181584	50.030	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	211814	51.428	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	412649	106.167	ug/L	99
42) Toluene	7.41	91	568414	49.497	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	211796	52.412	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	133079	48.722	ug/L	98
46) Tetrachloroethene	8.00	164	110019	50.179	ug/L	99
48) 2-Hexanone	8.16	43	319277	105.661	ug/L	99
49) Dibromochloromethane	8.27	129	138785	52.265	ug/L	99
50) 1,2-Dibromoethane	8.37	107	141259	48.890	ug/L	98
51) Chlorobenzene	8.90	112	368107	48.772	ug/L	99
52) Ethylbenzene	9.03	91	639792	51.188	ug/L	99
53) m,p-Xylene	9.16	106	241601	51.264	ug/L	98
54) o-xylene	9.57	106	234517	51.380	ug/L	100
55) Styrene	9.58	104	408061	51.032	ug/L	100
56) Isopropylbenzene	9.95	105	641342	54.095	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	216782	49.476	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	174636	49.543	ug/L	99
61) Bromoform	9.75	173	91774	57.115	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	300268	50.501	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	301956	48.946	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	305589	51.063	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	47995	52.846	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	226542	56.634	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	203873	55.053	ug/L	98
69) Naphthalene	13.53	128	616085	54.201	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	204070	57.969	ug/L	99

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

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