

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\
 Data File : VV019644.D
 Acq On : 15 Dec 2020 11:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Dec 16 00:23:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 10:26:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	619567	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	582783	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	288402	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	251867	56.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.38%
7) Chloroethane-d5	1.57	69	195483	55.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.58%
11) 1,1-Dichloroethene-d2	2.11	63	450930	54.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.38%
21) 2-Butanone-d5	3.88	46	312176	129.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.28%
24) Chloroform-d	4.35	84	427948	53.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.90%
26) 1,2-Dichloroethane-d4	5.03	65	279288	53.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.74%
32) Benzene-d6	5.05	84	826911	53.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.07	67	257500	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.78%
41) Toluene-d8	7.32	98	744774	53.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.44%
43) trans-1,3-Dichloropropene-	7.62	79	134271	48.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.96%
47) 2-Hexanone-d5	8.09	63	232295	121.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.56%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	335630	50.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.92%
64) 1,2-Dichlorobenzene-d4	11.63	152	273396	50.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	254924	50.985	ug/L 100
3) Chloromethane	1.24	50	264810	49.826	ug/L 100
5) Vinyl chloride	1.31	62	268845	50.431	ug/L 100
6) Bromomethane	1.52	94	159430	49.800	ug/L 99
8) Chloroethane	1.59	64	163468	50.838	ug/L 100
9) Trichlorofluoromethane	1.75	101	339724	52.160	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	200623	55.777	ug/L 99
12) 1,1-Dichloroethene	2.12	96	189938	51.459	ug/L # 74
13) Acetone	2.18	43	214393	104.216	ug/L 100
14) Carbon disulfide	2.30	76	583392	48.103	ug/L 99
15) Methyl Acetate	2.43	43	230013	51.319	ug/L 100
16) Methylene chloride	2.51	84	217677	50.300	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	204918	50.652	ug/L 98
18) Methyl tert-butyl Ether	2.77	73	689998	48.810	ug/L 99
19) 1,1-Dichloroethane	3.19	63	397214	50.644	ug/L 100
20) cis-1,2-Dichloroethene	3.91	96	221902	49.896	ug/L # 98
22) 2-Butanone	3.97	43	324564	107.556	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	107801	49.265	ug/L	96
25) Chloroform	4.38	83	397251	50.713	ug/L	100
27) 1,2-Dichloroethane	5.13	62	323175	49.800	ug/L	100
29) Cyclohexane	4.68	56	368510	51.593	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	350830	48.010	ug/L	99
31) Carbon tetrachloride	4.83	117	296364	48.043	ug/L	99
33) Benzene	5.10	78	849142	49.855	ug/L	100
34) Trichloroethene	5.91	95	224098	49.808	ug/L	98
35) Methylcyclohexane	6.13	83	374431	54.780	ug/L	99
37) 1,2-Dichloropropane	6.17	63	227709	51.194	ug/L	100
38) Bromodichloromethane	6.51	83	299449	48.145	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	372182	50.381	ug/L	98
40) 4-Methyl-2-pentanone	7.23	43	637722	99.378	ug/L	99
42) Toluene	7.39	91	899643	50.116	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	354871	47.441	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	206420	48.870	ug/L	99
46) Tetrachloroethene	7.98	164	157502	50.590	ug/L	99
48) 2-Hexanone	8.14	43	493013	101.252	ug/L	98
49) Dibromochloromethane	8.25	129	218715	47.282	ug/L	99
50) 1,2-Dibromoethane	8.35	107	218372	49.094	ug/L	99
51) Chlorobenzene	8.88	112	573982	50.063	ug/L	99
52) Ethylbenzene	9.01	91	1030995	50.409	ug/L	99
53) m,p-Xylene	9.14	106	381515	49.930	ug/L	98
54) o-xylene	9.55	106	374455	49.997	ug/L	96
55) Styrene	9.56	104	651473	49.908	ug/L	100
56) Isopropylbenzene	9.93	105	1014895	50.865	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	330718	48.688	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	274929	49.693	ug/L	99
61) Bromoform	9.73	173	140571	44.050	ug/L	99
62) 1,3-Dichlorobenzene	11.18	146	442938	50.058	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	453573	50.621	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	438474	50.149	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.43	75	79696	43.666	ug/L	99
67) 1,3,5-Trichlorobenzene	12.65	180	322402	51.570	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	296577	50.737	ug/L	99
69) Naphthalene	13.51	128	982821	48.422	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	287520	50.333	ug/L	99

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

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