

Data File : VV012186.D
Acq On : 11 Aug 2019 10:54
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Manual Integrations
APPROVED

MMDadoda
8/12/2019 10:33:35 AM

Quant Time: Aug 12 01:31:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081019WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 05:03:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	327897	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	309392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	170067	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54327	45.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.06%
7) Chloroethane-d5	1.58	69	37592	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.74%
11) 1,1-Dichloroethene-d2	2.13	63	110023	48.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.50%
21) 2-Butanone-d5	3.92	46	58809	98.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.60%
24) Chloroform-d	4.40	84	117855	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.06%
26) 1,2-Dichloroethane-d4	5.08	65	66942	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
32) Benzene-d6	5.10	84	225827	47.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.16%
36) 1,2-Dichloropropane-d6	6.11	67	60629	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.92%
41) Toluene-d8	7.36	98	214442	46.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.86%
43) trans-1,3-Dichloropropene-	7.66	79	32659	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
47) 2-Hexanone-d5	8.13	63	44659	89.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	81089	45.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.66%
64) 1,2-Dichlorobenzene-d4	11.67	152	87916	43.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	134007	48.143	ug/L	98
3) Chloromethane	1.25	50	86298	43.933	ug/L	99
5) Vinyl chloride	1.32	62	89465	49.349	ug/L	98
6) Bromomethane	1.53	94	50776	47.746	ug/L	93
8) Chloroethane	1.60	64	46554	49.021	ug/L	100
9) Trichlorofluoromethane	1.77	101	155834	50.325	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72482	50.143	ug/L	98
12) 1,1-Dichloroethene	2.14	96	65493	49.231	ug/L	95
13) Acetone	2.18	43	107414	124.023	ug/L	98
14) Carbon disulfide	2.32	76	234823	48.936	ug/L	100
15) Methyl Acetate	2.45	43	81153	45.754	ug/L	100
16) Methylene chloride	2.53	84	97281	47.772	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	96350	49.643	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	296439	47.439	ug/L	100
19) 1,1-Dichloroethane	3.23	63	162349	47.693	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	105985	48.066	ug/L	98
22) 2-Butanone	4.00	43	132747	102.915	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	57728	47.398	ug/L	99
25) Chloroform	4.42	83	185392	48.364	ug/L	97
27) 1,2-Dichloroethane	5.18	62	143642	47.671	ug/L	98
29) Cyclohexane	4.72	56	138920	48.215	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	173840	48.209	ug/L	99
31) Carbon tetrachloride	4.87	117	162169	48.227	ug/L	100
33) Benzene	5.14	78	372987	47.709	ug/L	100
34) Trichloroethene	5.96	95	103582	48.526	ug/L	95
35) Methylcyclohexane	6.17	83	166177	49.992	ug/L	99
37) 1,2-Dichloropropane	6.22	63	88662	47.132	ug/L	99
38) Bromodichloromethane	6.55	83	141235	48.453	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	160666	49.523	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	223958	92.672	ug/L	99
42) Toluene	7.43	91	421267	48.690	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	145848	49.781	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	97827	46.983	ug/L	98
46) Tetrachloroethene	8.02	164	100556	49.281	ug/L	97
48) 2-Hexanone	8.18	43	173429	94.958	ug/L	99
49) Dibromochloromethane	8.29	129	125379	47.573	ug/L	99
50) 1,2-Dibromoethane	8.39	107	106825	46.950	ug/L	99
51) Chlorobenzene	8.92	112	285990	48.366	ug/L	97
52) Ethylbenzene	9.05	91	472718	48.939	ug/L	100
53) m,p-Xylene	9.18	106	185725	48.795	ug/L	98
54) o-xylene	9.59	106	182809	48.452	ug/L	97
55) Styrene	9.60	104	313910	49.769	ug/L	99
56) Isopropylbenzene	9.97	105	489664	49.151	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	147623	46.279	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	116530	45.911	ug/L	98
61) Bromoform	9.77	173	99181	45.407	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	247836	47.986	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	250816	48.769	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	240739	46.143	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	34296	42.417	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	201532	49.556	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	172252	51.045	ug/L	99
69) Naphthalene	13.55	128	451889	47.966	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	175405	49.503	ug/L	99

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

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