

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121219\
 Data File : VV014044.D
 Acq On : 12 Dec 2019 20:19
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Manual Integrations
 APPROVED

apatel
 12/13/2019 12:41:12 PM

Quant Time: Dec 13 07:53:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 13 06:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	729274	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	721068	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	375479	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	209094	49.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.14%
7) Chloroethane-d5	1.56	69	209454	47.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.16%
11) 1,1-Dichloroethene-d2	2.13	63	440822	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.52%
21) 2-Butanone-d5	3.92	46	311274	104.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.85%
24) Chloroform-d	4.39	84	437272	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
26) 1,2-Dichloroethane-d4	5.07	65	261959	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
32) Benzene-d6	5.09	84	879285	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.12%
36) 1,2-Dichloropropane-d6	6.11	67	271799	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.92%
41) Toluene-d8	7.35	98	824214	48.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.78%
43) trans-1,3-Dichloropropene-	7.66	79	116632	42.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.48%
47) 2-Hexanone-d5	8.13	63	169510	80.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.94%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	355880	43.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.64%
64) 1,2-Dichlorobenzene-d4	11.67	152	342101	46.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	309221	47.620	ug/L	98
3) Chloromethane	1.25	50	332366	55.986	ug/L	99
5) Vinyl chloride	1.32	62	339394	54.815	ug/L	97
6) Bromomethane	1.51	94	160205	42.796	ug/L	99
8) Chloroethane	1.58	64	210646	51.131	ug/L	97
9) Trichlorofluoromethane	1.76	101	464775	48.263	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	256852	46.830	ug/L	98
12) 1,1-Dichloroethene	2.13	96	250742	47.328	ug/L	97
13) Acetone	2.18	43	278761	64.076	ug/L	98
14) Carbon disulfide	2.31	76	675955	48.381	ug/L	100
15) Methyl Acetate	2.45	43	324053	60.439	ug/L	98
16) Methylene chloride	2.53	84	316782	57.418	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	268602	51.832	ug/L	96
18) Methyl tert-butyl Ether	2.80	73	862468	57.350	ug/L	99
19) 1,1-Dichloroethane	3.22	63	522682	55.983	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	303035m	53.999	ug/L	
22) 2-Butanone	4.01	43	417474	99.976	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	159624	51.483	ug/L	94
25) Chloroform	4.42	83	508992	50.995	ug/L	99
27) 1,2-Dichloroethane	5.17	62	375105	52.155	ug/L	97
29) Cyclohexane	4.72	56	407062	48.319	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	425174	48.843	ug/L	100
31) Carbon tetrachloride	4.87	117	383289	49.292	ug/L	98
33) Benzene	5.14	78	1120648	52.188	ug/L	100
34) Trichloroethene	5.96	95	296043	51.402	ug/L	99
35) Methylcyclohexane	6.17	83	414701	47.990	ug/L	99
37) 1,2-Dichloropropane	6.22	63	290837m	55.961	ug/L	
38) Bromodichloromethane	6.55	83	369107	50.079	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	415936	50.837	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	748669	110.780	ug/L	99
42) Toluene	7.43	91	1197210	54.036	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	361778	48.830	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	284442	55.138	ug/L	97
46) Tetrachloroethene	8.01	164	252534	48.592	ug/L	96
48) 2-Hexanone	8.18	43	580961	107.463	ug/L	96
49) Dibromochloromethane	8.28	129	320616	50.843	ug/L	98
50) 1,2-Dibromoethane	8.39	107	301900	53.125	ug/L	100
51) Chlorobenzene	8.92	112	787811	51.540	ug/L	97
52) Ethylbenzene	9.05	91	1279931	52.403	ug/L	98
53) m,p-Xylene	9.18	106	502338	53.185	ug/L	98
54) o-xylene	9.58	106	499737	54.114	ug/L	97
55) Styrene	9.60	104	855441	53.689	ug/L	100
56) Isopropylbenzene	9.97	105	1294916	52.166	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	414358	49.339	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	363117	51.630	ug/L	99
61) Bromoform	9.77	173	249801	54.386	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	631073	51.222	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	623770	48.973	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	647038	52.502	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	79512	46.424	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	457091	45.686	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	347754	38.521	ug/L	99
69) Naphthalene	13.55	128	616994	26.029	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	377922	40.030	ug/L	99

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

