

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090518\
 Data File : VV007417.D
 Acq On : 06 Sep 2018 05:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 10:54:09 AM

Quant Time: Sep 06 07:47:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 02:12:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	497911	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	492384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	248899	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	174233	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.98%
7) Chloroethane-d5	1.56	69	116808m	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.28%
11) 1,1-Dichloroethene-d2	2.13	63	309395	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
21) 2-Butanone-d5	3.96	46	264258	91.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.35%
24) Chloroform-d	4.40	84	379523	51.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.18%
26) 1,2-Dichloroethane-d4	5.09	65	228659	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
32) Benzene-d6	5.10	84	748284	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
36) 1,2-Dichloropropane-d6	6.12	67	249658	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.40%
41) Toluene-d8	7.36	98	682607	53.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.86%
43) trans-1,3-Dichloropropene-	7.67	79	99150	46.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.62%
47) 2-Hexanone-d5	8.14	63	200034	102.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.61%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	367672	54.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.26%
64) 1,2-Dichlorobenzene-d4	11.68	152	276105	51.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.22%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.14	85	207629	52.54	ug/L	# 86
3) Chloromethane	1.26	50	244199	58.26	ug/L	99
5) Vinyl chloride	1.32	62	222349	52.32	ug/L	99
6) Bromomethane	1.51	94	87123	42.54	ug/L	98
8) Chloroethane	1.58	64	121921	55.90	ug/L	99
9) Trichlorofluoromethane	1.76	101	273376	50.81	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	169649	50.79	ug/L	100
12) 1,1-Dichloroethene	2.14	96	156353	49.65	ug/L	95
13) Acetone	2.20	43	161504	93.75	ug/L	100
14) Carbon disulfide	2.31	76	439717	49.28	ug/L	99
15) Methyl Acetate	2.46	43	186854	49.79	ug/L	99
16) Methylene chloride	2.54	84	188842	50.43	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	173601	50.54	ug/L	96
18) Methyl tert-butyl Ether	2.81	73	553859	51.48	ug/L	99
19) 1,1-Dichloroethane	3.23	63	330412	46.44	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	198392	50.19	ug/L	97
22) 2-Butanone	4.04	43	293009	101.56	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	106751	51.61	ug/L	97
25) Chloroform	4.43	83	362435	51.76	ug/L	100
27) 1,2-Dichloroethane	5.19	62	268249	51.16	ug/L	100
29) Cyclohexane	4.72	56	263786	48.32	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	294077	48.91	ug/L	99
31) Carbon tetrachloride	4.88	117	252773	48.56	ug/L	99
33) Benzene	5.15	78	810929	51.49	ug/L	100
34) Trichloroethene	5.96	95	185554	48.26	ug/L	97
35) Methylcyclohexane	6.18	83	284173	49.57	ug/L	100
37) 1,2-Dichloropropane	6.23	63	217729	50.30	ug/L	99
38) Bromodichloromethane	6.56	83	262570	49.68	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	267603	46.04	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	523948	104.79	ug/L	99
42) Toluene	7.44	91	819742	54.10	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	256267	47.16	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	205375	50.27	ug/L	98
46) Tetrachloroethene	8.02	164	160463	51.90	ug/L	98
48) 2-Hexanone	8.19	43	438808	112.53	ug/L	99
49) Dibromochloromethane	8.30	129	209653	50.04	ug/L	99
50) 1,2-Dibromoethane	8.40	107	204670	51.30	ug/L	100
51) Chlorobenzene	8.93	112	524398	51.25	ug/L	99
52) Ethylbenzene	9.06	91	814566	53.01	ug/L	99
53) m,p-Xylene	9.19	106	316286	53.77	ug/L	99
54) o-xylene	9.59	106	307385	53.74	ug/L	99
55) Styrene	9.61	104	578167	58.35	ug/L	100
56) Isopropylbenzene	9.98	105	780506	53.95	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	352562	54.56	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	277234	53.86	ug/L	99
61) Bromoform	9.78	173	157943	46.60	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	372403	49.25	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	415039	51.18	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	439444	51.99	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	68385	47.72	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	283377	48.84	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	215786	48.01	ug/L	100
69) Naphthalene	13.56	128	623122	48.03	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	258979	52.14	ug/L	98

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

