

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090418\
 Data File : VV007382.D
 Acq On : 05 Sep 2018 14:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05067

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 3:05:04 PM

Quant Time: Sep 06 01:08:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 00:43:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	498037	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	510212	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	255219	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	198343	55.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.52%
7) Chloroethane-d5	1.56	69	141033	60.52	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	121.04%
11) 1,1-Dichloroethene-d2	2.13	63	323478	51.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.24%
21) 2-Butanone-d5	3.95	46	307010	106.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.10%
24) Chloroform-d	4.41	84	377576	51.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.62%
26) 1,2-Dichloroethane-d4	5.09	65	229456	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.38%
32) Benzene-d6	5.10	84	752861	48.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.92%
36) 1,2-Dichloropropane-d6	6.12	67	247942	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.22%
41) Toluene-d8	7.36	98	706225	53.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.70%
43) trans-1,3-Dichloropropene-	7.67	79	103531	47.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.34%
47) 2-Hexanone-d5	8.14	63	228515	113.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.12%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	366232	52.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.06%
64) 1,2-Dichlorobenzene-d4	11.68	152	288081	52.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	213253m	53.95	ug/L	
3) Chloromethane	1.25	50	241694	57.64	ug/L	100
5) Vinyl chloride	1.32	62	223141	52.49	ug/L	100
6) Bromomethane	1.52	94	87852	42.89	ug/L	99
8) Chloroethane	1.58	64	117843	54.02	ug/L	100
9) Trichlorofluoromethane	1.76	101	268960	49.98	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	163247	48.86	ug/L	99
12) 1,1-Dichloroethene	2.14	96	154609	49.09	ug/L	90
13) Acetone	2.20	43	165059	95.79	ug/L	99
14) Carbon disulfide	2.31	76	435135	48.76	ug/L	99
15) Methyl Acetate	2.46	43	188540	50.23	ug/L	99
16) Methylene chloride	2.54	84	188716	50.38	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	167602	48.78	ug/L	98
18) Methyl tert-butyl Ether	2.81	73	540846	50.26	ug/L	99
19) 1,1-Dichloroethane	3.23	63	348724	49.00	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	195143	49.35	ug/L	99
22) 2-Butanone	4.04	43	307865	106.68	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	104465	50.49	ug/L	99
25) Chloroform	4.43	83	349843	49.94	ug/L	99
27) 1,2-Dichloroethane	5.19	62	265818	50.68	ug/L	99
29) Cyclohexane	4.73	56	259809	45.93	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	285043	45.75	ug/L	99
31) Carbon tetrachloride	4.88	117	250794	46.50	ug/L	99
33) Benzene	5.15	78	788107	48.29	ug/L	100
34) Trichloroethene	5.96	95	187515	47.07	ug/L	98
35) Methylcyclohexane	6.18	83	276771	46.59	ug/L	100
37) 1,2-Dichloropropane	6.23	63	211803	47.22	ug/L	99
38) Bromodichloromethane	6.56	83	253286	46.25	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	268947	44.66	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	549841	106.12	ug/L	99
42) Toluene	7.44	91	811446	51.69	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	261095	46.36	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	203917	48.17	ug/L	100
46) Tetrachloroethene	8.02	164	151017	47.14	ug/L	98
48) 2-Hexanone	8.19	43	453445	112.22	ug/L	100
49) Dibromochloromethane	8.30	129	210287	48.43	ug/L	98
50) 1,2-Dibromoethane	8.40	107	202189	48.91	ug/L	99
51) Chlorobenzene	8.93	112	529156	49.91	ug/L	99
52) Ethylbenzene	9.06	91	831124	52.20	ug/L	100
53) m,p-Xylene	9.19	106	325403	53.38	ug/L	99
54) o-xylene	9.59	106	314508	53.06	ug/L	100
55) Styrene	9.61	104	592744	57.73	ug/L	97
56) Isopropylbenzene	9.98	105	808180	53.91	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	340506	50.86	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	281262	52.73	ug/L	99
61) Bromoform	9.78	173	159884	46.00	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	381172	49.16	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	420742	50.60	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	449933	51.91	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	71384	48.58	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	291070	48.92	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	225867	49.01	ug/L	99
69) Naphthalene	13.56	128	662442	49.80	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	265817	52.19	ug/L	100

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

