

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
 Data File : VV017513.D
 Acq On : 17 Jul 2020 09:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05083

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 10:50:29 AM

Quant Time: Jul 18 05:03:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 14 13:55:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	355755	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	348803	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192884	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100418	54.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.44%
7) Chloroethane-d5	1.58	69	78606	60.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.84%
11) 1,1-Dichloroethene-d2	2.12	63	200180	47.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.48%
21) 2-Butanone-d5	3.91	46	154556	122.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.18%
24) Chloroform-d	4.37	84	228501	53.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.68%
26) 1,2-Dichloroethane-d4	5.05	65	156760	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
32) Benzene-d6	5.07	84	416301	55.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.50%
36) 1,2-Dichloropropane-d6	6.09	67	128142	59.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	118.12%
41) Toluene-d8	7.33	98	394237	54.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.84%
43) trans-1,3-Dichloropropene-	7.64	79	71302	56.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.92%
47) 2-Hexanone-d5	8.11	63	116227	130.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	130.52%#
57) 1,1,2,2-Tetrachloroethane-	10.23	84	181331	59.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	119.04%
64) 1,2-Dichlorobenzene-d4	11.65	152	173346	53.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	163040	42.677 ug/L	100
3) Chloromethane	1.25	50	124900	46.437 ug/L	98
5) Vinyl chloride	1.32	62	123890	45.572 ug/L	97
6) Bromomethane	1.53	94	74633	54.086 ug/L	95
8) Chloroethane	1.60	64	71009	50.341 ug/L	95
9) Trichlorofluoromethane	1.77	101	204028	40.089 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105576	44.689 ug/L	97
12) 1,1-Dichloroethene	2.13	96	95752	44.811 ug/L	94
13) Acetone	2.20	43	132523	76.960 ug/L	95
14) Carbon disulfide	2.31	76	286985	44.128 ug/L	99
15) Methyl Acetate	2.45	43	129979	56.866 ug/L	95
16) Methylene chloride	2.52	84	125613	50.493 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	111060	47.795 ug/L	97
18) Methyl tert-butyl Ether	2.78	73	397069	51.220 ug/L	98
19) 1,1-Dichloroethane	3.21	63	214869	50.288 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	125147m	50.265 ug/L	
22) 2-Butanone	3.99	43	178019	105.761 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	70217	50.686	ug/L	95
25) Chloroform	4.40	83	237821	49.589	ug/L	98
27) 1,2-Dichloroethane	5.15	62	197014	46.736	ug/L	97
29) Cyclohexane	4.70	56	171500	47.149	ug/L	95
30) 1,1,1-Trichloroethane	4.63	97	214120	44.641	ug/L	99
31) Carbon tetrachloride	4.85	117	194091	44.209	ug/L	98
33) Benzene	5.12	78	461319	50.033	ug/L	100
34) Trichloroethene	5.94	95	122279	44.670	ug/L	97
35) Methylcyclohexane	6.15	83	182170	45.445	ug/L	97
37) 1,2-Dichloropropane	6.19	63	123297	54.674	ug/L	99
38) Bromodichloromethane	6.53	83	178995	48.745	ug/L	100
39) cis-1,3-Dichloropropene	7.04	75	203604	52.979	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	347205	111.345	ug/L	98
42) Toluene	7.41	91	506275	49.126	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	203743	51.257	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	126410	51.663	ug/L	97
46) Tetrachloroethene	7.99	164	106356	46.271	ug/L	95
48) 2-Hexanone	8.16	43	263949	104.562	ug/L	99
49) Dibromochloromethane	8.26	129	153588	50.317	ug/L	98
50) 1,2-Dibromoethane	8.37	107	135051	51.568	ug/L	98
51) Chlorobenzene	8.90	112	337731	48.362	ug/L	100
52) Ethylbenzene	9.03	91	565363	47.962	ug/L	99
53) m,p-Xylene	9.16	106	220208	49.899	ug/L	100
54) o-xylene	9.56	106	213379	50.338	ug/L	98
55) Styrene	9.58	104	383000	52.016	ug/L	98
56) Isopropylbenzene	9.95	105	575869	48.832	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	199825	55.612	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	163351	52.273	ug/L	98
61) Bromoform	9.75	173	115829	49.924	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	294713	48.966	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	299436	49.019	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	297372	49.563	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	52075	53.340	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	232108	51.195	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	211067	53.089	ug/L	100
69) Naphthalene	13.52	128	633613	57.068	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	215836	53.371	ug/L	100

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

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