

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020720\
 Data File : VX014862.D
 Acq On : 07 Feb 2020 10:37
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 10:49:10 AM

Quant Time: Feb 07 22:30:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	72449	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	406185	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	368851	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	155655	30.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.90%
60) 4-Bromofluorobenzene	11.13	95	178878	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	8.71	98	490813	29.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	105631	21.097	ug/l 100
3) Chloromethane	1.32	50	100545	18.342	ug/l 96
4) Vinyl Chloride	1.40	62	118098	19.187	ug/l 100
5) Bromomethane	1.64	94	78459	20.427	ug/l 98
6) Chloroethane	1.72	64	66065	19.040	ug/l 99
7) Trichlorofluoromethane	1.93	101	148249	21.753	ug/l 100
8) Diethyl Ether	2.18	74	60490	20.320	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	86153	21.607	ug/l 96
10) 1,1-Dichloroethene	2.37	96	82627	20.602	ug/l 98
11) Methyl Iodide	2.51	142	103778	19.294	ug/l 98
12) Methyl Acetate	2.76	43	144353	19.924	ug/l 100
13) Acrolein	2.28	56	67725	88.994	ug/l 98
14) Acrylonitrile	3.13	53	233069	94.015	ug/l 98
15) Acetone	2.43	58	66096	79.529	ug/l 76
16) Carbon Disulfide	2.56	76	212854	19.324	ug/l 99
17) Allyl chloride	2.72	41	140623	18.946	ug/l 88
18) Methylene Chloride	2.85	84	95644	20.376	ug/l 93
19) trans-1,2-Dichloroethene	3.16	96	89353	20.696	ug/l 97
20) Diisopropyl ether	3.84	45	295212	20.103	ug/l 96
21) 1,1-Dichloroethane	3.69	63	161008	20.182	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	104203	21.003	ug/l 99
23) tert-Butyl Alcohol	3.01	59	101477	98.978	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	290957	21.799	ug/l 99
25) Chloroform	5.20	83	161690	20.922	ug/l 98
26) Cyclohexane	5.57	56	145250	19.738	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	123603	20.749	ug/l 99
30) 2-Butanone	4.65	43	332093	88.005	ug/l 98
31) 2,2-Dichloropropane	4.57	77	141220	22.156	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	140841	21.371	ug/l 99
33) Carbon Tetrachloride	5.78	117	121743	21.517	ug/l 99
34) Benzene	6.13	78	368133	19.999	ug/l 98
35) Methacrylonitrile	5.03	41	70421	18.685	ug/l 95
36) 1,2-Dichloroethane	6.18	62	133688	20.869	ug/l 99
37) Trichloroethene	7.20	130	105515	20.935	ug/l 94
38) Methylcyclohexane	7.46	83	153952	20.757	ug/l 98
39) 1,2-Dichloropropane	7.50	63	92930	19.414	ug/l 92
40) Dibromomethane	7.65	93	62796	20.413	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020720\
 Data File : VX014862.D
 Acq On : 07 Feb 2020 10:37
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 10:49:10 AM

Quant Time: Feb 07 22:30:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	122310	20.303	ug/l	98
42) Vinyl Acetate	3.80	43	1145260	98.467	ug/l	100
43) Ethyl Acetate	4.82	43	128997	18.884	ug/l #	85
44) Isopropyl Acetate	6.43	43	215618	19.566	ug/l	99
45) 1,4-Dioxane	7.73	88	42758	387.890	ug/l	97
46) Methyl methacrylate	7.76	41	105465	19.461	ug/l	97
47) n-amyl Acetate	10.89	43	179479	19.438	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	140215	21.319	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	154088	20.792	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	96341	20.581	ug/l	99
51) Ethyl methacrylate	9.17	69	143902	19.744	ug/l	98
52) 1,3-Dichloropropane	9.36	76	161742	20.394	ug/l	100
53) Dibromochloromethane	9.57	129	100894	21.072	ug/l	99
54) 1,2-Dibromoethane	9.67	107	102413	21.095	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	322216	96.194	ug/l	98
56) Bromoform	10.85	173	77125	20.912	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	661918	95.294	ug/l	98
59) 2-Hexanone	9.48	43	514727	95.817	ug/l	99
61) Tetrachloroethene	9.33	164	112711	20.674	ug/l	99
62) Toluene	8.78	91	401906	20.537	ug/l	99
64) Chlorobenzene	10.13	112	259207	21.218	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	96285	21.340	ug/l	100
66) Ethyl Benzene	10.25	91	450362	21.129	ug/l	98
67) m/p-Xylenes	10.36	106	341808	41.865	ug/l	98
68) o-Xylene	10.70	106	166025	20.882	ug/l	99
69) Styrene	10.71	104	280197	20.801	ug/l	99
70) Isopropylbenzene	11.01	105	453441	21.770	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	137858	19.649	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	120265m	20.039	ug/l	
73) Bromobenzene	11.25	156	120350	21.797	ug/l	96
74) n-propylbenzene	11.35	91	515327	21.652	ug/l	98
75) 2-Chlorotoluene	11.42	91	300281	21.051	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	374798	21.595	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	47076	20.381	ug/l	93
78) 4-Chlorotoluene	11.51	91	347470	21.449	ug/l	98
79) tert-butylbenzene	11.76	119	363920	22.410	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	372794	21.536	ug/l	99
81) sec-Butylbenzene	11.94	105	439583	21.875	ug/l	98
82) p-Isopropyltoluene	12.06	119	407380	22.207	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	214711	22.271	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	214981	22.492	ug/l	99
85) n-Butylbenzene	12.39	91	347757	21.666	ug/l	99
86) Hexachloroethane	12.59	117	68303	20.763	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	208391	21.423	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	31757	21.189	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	151033	23.523	ug/l	99
90) Hexachlorobutadiene	13.78	225	76836	23.949	ug/l	99
91) Naphthalene	13.83	128	438288	22.614	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	151822	23.231	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
Data File : VX014862.D
Acq On : 07 Feb 2020 10:37
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM

Quant Time: Feb 07 22:30:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

