

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
 Data File : VX014628.D
 Acq On : 16 Jan 2020 10:07
 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
 1/17/2020 11:23:20 AM

Quant Time: Jan 17 06:07:22 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	71822	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	397153	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	358846	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	155197	30.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.47%
60) 4-Bromofluorobenzene	11.13	95	174569	30.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.33%
63) Toluene-d8	8.71	98	495723	30.58	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	104602	21.074	ug/l 98
3) Chloromethane	1.32	50	111122	20.448	ug/l 97
4) Vinyl Chloride	1.40	62	126217	20.685	ug/l 98
5) Bromomethane	1.64	94	65445	17.188	ug/l 96
6) Chloroethane	1.72	64	70646	20.538	ug/l 99
7) Trichlorofluoromethane	1.93	101	137040	20.284	ug/l 97
8) Diethyl Ether	2.18	74	59144	20.042	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	84060	21.266	ug/l 98
10) 1,1-Dichloroethene	2.37	96	80145	20.158	ug/l 95
11) Methyl Iodide	2.50	142	100088	18.771	ug/l 99
12) Methyl Acetate	2.76	43	141922	19.760	ug/l 97
13) Acrolein	2.28	56	65422	86.718	ug/l 94
14) Acrylonitrile	3.13	53	238357	96.987	ug/l 99
15) Acetone	2.43	58	91915	111.560	ug/l 81
16) Carbon Disulfide	2.56	76	214562	19.649	ug/l 99
17) Allyl chloride	2.72	41	140522	19.097	ug/l 95
18) Methylene Chloride	2.85	84	94086	20.220	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	86377	20.181	ug/l 95
20) Diisopropyl ether	3.84	45	292537	20.094	ug/l 92
21) 1,1-Dichloroethane	3.69	63	156798	19.826	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	97312	19.786	ug/l 97
23) tert-Butyl Alcohol	3.02	59	93776	92.265	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	261096	19.732	ug/l 99
25) Chloroform	5.20	83	154525	20.170	ug/l 96
26) Cyclohexane	5.57	56	144881	19.860	ug/l 99
29) 1,1-Dichloropropene	5.79	75	117354	20.148	ug/l 99
30) 2-Butanone	4.65	43	381282	103.338	ug/l 99
31) 2,2-Dichloropropane	4.57	77	122841	19.711	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	128319	19.913	ug/l 99
33) Carbon Tetrachloride	5.78	117	108891	19.683	ug/l 98
34) Benzene	6.13	78	357718	19.875	ug/l 99
35) Methacrylonitrile	5.03	41	68261	18.524	ug/l 95
36) 1,2-Dichloroethane	6.19	62	123984	19.795	ug/l 99
37) Trichloroethene	7.20	130	98517	19.991	ug/l 93
38) Methylcyclohexane	7.45	83	146209	20.161	ug/l 99
39) 1,2-Dichloropropane	7.50	63	93949	20.073	ug/l 96
40) Dibromomethane	7.65	93	60567	20.136	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011620\
 Data File : VX014628.D
 Acq On : 16 Jan 2020 10:07
 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
 1/17/2020 11:23:20 AM

Quant Time: Jan 17 06:07:22 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	115052	19.533	ug/l	98
42) Vinyl Acetate	3.80	43	1113276	97.894	ug/l	99
43) Ethyl Acetate	4.81	43	127811	19.136	ug/l	99
44) Isopropyl Acetate	6.43	43	205725	19.093	ug/l	100
45) 1,4-Dioxane	7.73	88	42622	395.450	ug/l	98
46) Methyl methacrylate	7.76	41	100855	19.034	ug/l	98
47) n-amyl Acetate	10.89	43	166510	18.443	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	124091	19.296	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	140010	19.322	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	91182	19.922	ug/l	95
51) Ethyl methacrylate	9.17	69	133317	18.707	ug/l	97
52) 1,3-Dichloropropane	9.36	76	153576	19.804	ug/l	99
53) Dibromochloromethane	9.57	129	92093	19.672	ug/l	97
54) 1,2-Dibromoethane	9.67	107	93900	19.782	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	317875	97.057	ug/l	99
56) Bromoform	10.85	173	67000	18.580	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	660075	97.678	ug/l	100
59) 2-Hexanone	9.48	43	529643	101.342	ug/l	99
61) Tetrachloroethene	9.33	164	106316	20.045	ug/l	97
62) Toluene	8.78	91	385903	20.270	ug/l	99
64) Chlorobenzene	10.13	112	238584	20.074	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	86074	19.609	ug/l	100
66) Ethyl Benzene	10.25	91	417236	20.120	ug/l	98
67) m/p-Xylenes	10.36	106	317977	40.032	ug/l	97
68) o-Xylene	10.70	106	152487	19.714	ug/l	99
69) Styrene	10.71	104	259122	19.772	ug/l	98
70) Isopropylbenzene	11.01	105	408678	20.168	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	131034	19.197	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	114348m	19.585	ug/l	
73) Bromobenzene	11.25	156	106411	19.810	ug/l	99
74) n-propylbenzene	11.35	91	465688	20.112	ug/l	98
75) 2-Chlorotoluene	11.42	91	280023	20.179	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	337962	20.016	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	40389	17.974	ug/l	96
78) 4-Chlorotoluene	11.51	91	315527	20.021	ug/l	98
79) tert-butylbenzene	11.76	119	314492	19.906	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	344875	20.479	ug/l	100
81) sec-Butylbenzene	11.94	105	397711	20.343	ug/l	98
82) p-Isopropyltoluene	12.06	119	360970	20.225	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	189453	20.199	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	189183	20.345	ug/l	98
85) n-Butylbenzene	12.39	91	307730	19.707	ug/l	99
86) Hexachloroethane	12.59	117	60499	18.903	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	189469	20.021	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27394	18.788	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	123283	19.736	ug/l	98
90) Hexachlorobutadiene	13.78	225	62315	19.965	ug/l	97
91) Naphthalene	13.83	128	358729	19.025	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	126440	19.886	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011620\
Data File : VX014628.D
Acq On : 16 Jan 2020 10:07
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
1/17/2020 11:23:20 AM

Quant Time: Jan 17 06:07:22 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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011620\
Data File : VX014628.D
Acq On : 16 Jan 2020 10:07
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
1/17/2020 11:23:20 AM

Quant Time: Jan 17 06:07:22 2020
Quant Method : Z:\V0ASRV\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

