

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
 Data File : VX014874.D
 Acq On : 07 Feb 2020 16:25
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 10:49:46 AM

Quant Time: Feb 07 22:55:33 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	68991	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	388739	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	360110	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	149187	30.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.53%
60) 4-Bromofluorobenzene	11.13	95	176206	30.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.93%
63) Toluene-d8	8.71	98	472798	29.07	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	99050	20.774	ug/l 99
3) Chloromethane	1.32	50	93565	17.924	ug/l 97
4) Vinyl Chloride	1.40	62	111802	19.075	ug/l 99
5) Bromomethane	1.64	94	46574	12.734	ug/l 98
6) Chloroethane	1.72	64	67003	20.278	ug/l 97
7) Trichlorofluoromethane	1.93	101	136665	21.058	ug/l 99
8) Diethyl Ether	2.18	74	57985	20.455	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81787	21.540	ug/l 98
10) 1,1-Dichloroethene	2.37	96	78073	20.442	ug/l 96
11) Methyl Iodide	2.50	142	39187	7.651	ug/l 99
12) Methyl Acetate	2.76	43	141208	20.467	ug/l 100
13) Acrolein	2.28	56	65519	90.410	ug/l 96
14) Acrylonitrile	3.13	53	225860	95.673	ug/l 98
15) Acetone	2.43	58	62053	78.406	ug/l 86
16) Carbon Disulfide	2.56	76	199212	18.992	ug/l 97
17) Allyl chloride	2.72	41	133904	18.945	ug/l 92
18) Methylene Chloride	2.85	84	90470	20.240	ug/l 91
19) trans-1,2-Dichloroethene	3.16	96	84829	20.633	ug/l 99
20) Diisopropyl ether	3.84	45	285511	20.416	ug/l 99
21) 1,1-Dichloroethane	3.69	63	150131	19.762	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	98748	20.901	ug/l 99
23) tert-Butyl Alcohol	3.02	59	89199	91.363	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	274048	21.561	ug/l 99
25) Chloroform	5.20	83	156038	21.203	ug/l 97
26) Cyclohexane	5.58	56	136591	19.492	ug/l 99
29) 1,1-Dichloropropene	5.79	75	118395	20.767	ug/l 98
30) 2-Butanone	4.65	43	313774	86.882	ug/l 99
31) 2,2-Dichloropropane	4.58	77	127617	20.920	ug/l 99
32) 1,1,1-Trichloroethane	5.48	97	131350	20.825	ug/l 99
33) Carbon Tetrachloride	5.78	117	112937	20.856	ug/l 98
34) Benzene	6.14	78	348096	19.759	ug/l 99
35) Methacrylonitrile	5.03	41	68593	19.017	ug/l 94
36) 1,2-Dichloroethane	6.19	62	126080	20.565	ug/l 97
37) Trichloroethene	7.20	130	100977	20.934	ug/l 100
38) Methylcyclohexane	7.46	83	140331	19.769	ug/l 97
39) 1,2-Dichloropropane	7.51	63	87838	19.174	ug/l 95
40) Dibromomethane	7.65	93	59610	20.247	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX020720\
 Data File : VX014874.D
 Acq On : 07 Feb 2020 16:25
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 10:49:46 AM

Quant Time: Feb 07 22:55:33 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	118767	20.600	ug/l	97
42) Vinyl Acetate	3.80	43	1104663	99.239	ug/l	99
43) Ethyl Acetate	4.82	43	126080	19.285	ug/l	99
44) Isopropyl Acetate	6.43	43	203412	19.287	ug/l	99
45) 1,4-Dioxane	7.73	88	33345	316.073	ug/l	96
46) Methyl methacrylate	7.76	41	100711	19.418	ug/l	99
47) n-amyl Acetate	10.89	43	177793	20.119	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	132352	21.026	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	142166	20.044	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	91312	20.382	ug/l	99
51) Ethyl methacrylate	9.17	69	137406	19.699	ug/l	94
52) 1,3-Dichloropropane	9.37	76	153611	20.238	ug/l	99
53) Dibromochloromethane	9.57	129	95996	20.949	ug/l	98
54) 1,2-Dibromoethane	9.67	107	98238	21.144	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	284761	88.828	ug/l	98
56) Bromoform	10.85	173	73066	20.701	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	637037	93.938	ug/l	98
59) 2-Hexanone	9.48	43	477572	91.058	ug/l	99
61) Tetrachloroethene	9.33	164	100858	18.949	ug/l	97
62) Toluene	8.78	91	386981	20.255	ug/l	100
64) Chlorobenzene	10.14	112	246511	20.669	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	90554	20.557	ug/l	100
66) Ethyl Benzene	10.25	91	433328	20.823	ug/l	97
67) m/p-Xylenes	10.36	106	333551	41.845	ug/l	99
68) o-Xylene	10.70	106	159094	20.496	ug/l	99
69) Styrene	10.71	104	270587	20.575	ug/l	99
70) Isopropylbenzene	11.01	105	427894	21.042	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	137378	20.056	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	114833m	19.599	ug/l	
73) Bromobenzene	11.25	156	116348	21.584	ug/l	94
74) n-propylbenzene	11.35	91	496654	21.374	ug/l	98
75) 2-Chlorotoluene	11.42	91	287642	20.655	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	357209	21.081	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	41054	18.206	ug/l	96
78) 4-Chlorotoluene	11.51	91	337335	21.329	ug/l	96
79) tert-butylbenzene	11.76	119	346263	21.840	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	359696	21.284	ug/l	99
81) sec-Butylbenzene	11.94	105	416349	21.222	ug/l	98
82) p-Isopropyltoluene	12.06	119	394808	22.044	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	207649	22.062	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	209627	22.464	ug/l	99
85) n-Butylbenzene	12.39	91	348661	22.249	ug/l	100
86) Hexachloroethane	12.59	117	62271	19.389	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	206888	21.785	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	29257	19.995	ug/l	93
89) 1,2,4-Trichlorobenzene	13.64	180	152351	24.304	ug/l	98
90) Hexachlorobutadiene	13.78	225	72134	23.030	ug/l	98
91) Naphthalene	13.83	128	425570	22.491	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	149148	23.375	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
Data File : VX014874.D
Acq On : 07 Feb 2020 16:25
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:46 AM

Quant Time: Feb 07 22:55:33 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

