

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015280.D
 Acq On : 14 Mar 2020 00:44
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:07:42 PM

Quant Time: Mar 16 09:51:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	49660	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	282552	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	277053	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	99303	29.64	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.80%
60) 4-Bromofluorobenzene	11.13	95	124625	28.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.20%
63) Toluene-d8	8.71	98	353613	29.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	39074	15.646	ug/l 97
3) Chloromethane	1.32	50	57653	15.989	ug/l 97
4) Vinyl Chloride	1.40	62	58080	15.829	ug/l 98
5) Bromomethane	1.64	94	36965	15.463	ug/l 96
6) Chloroethane	1.72	64	37144	16.117	ug/l 97
7) Trichlorofluoromethane	1.93	101	73106	15.628	ug/l 98
8) Diethyl Ether	2.18	74	33668	16.238	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	45824	15.973	ug/l 99
10) 1,1-Dichloroethene	2.37	96	47802	16.528	ug/l 96
11) Methyl Iodide	2.50	142	42875	14.412	ug/l 99
12) Methyl Acetate	2.76	43	62195	17.432	ug/l 99
13) Acrolein	2.28	56	41307	73.313	ug/l 98
14) Acrylonitrile	3.13	53	144205	87.101	ug/l 98
15) Acetone	2.43	58	35439	72.953	ug/l 98
16) Carbon Disulfide	2.56	76	132980	16.419	ug/l 99
17) Allyl chloride	2.72	41	88172	16.432	ug/l 97
18) Methylene Chloride	2.85	84	57378	17.554	ug/l 94
19) trans-1,2-Dichloroethene	3.16	96	54499	17.469	ug/l 98
20) Diisopropyl ether	3.84	45	188082	17.646	ug/l 99
21) 1,1-Dichloroethane	3.69	63	98863	17.505	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	62556	17.739	ug/l 98
23) tert-Butyl Alcohol	3.02	59	46964	72.555	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	160995	17.228	ug/l 99
25) Chloroform	5.20	83	96850	18.027	ug/l 99
26) Cyclohexane	5.58	56	91920	17.514	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	73310	16.908	ug/l 100
30) 2-Butanone	4.66	43	187746	80.856	ug/l 100
31) 2,2-Dichloropropane	4.57	77	57803	12.977	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	80029	16.961	ug/l 99
33) Carbon Tetrachloride	5.78	117	69393	17.186	ug/l 98
34) Benzene	6.14	78	236142	17.973	ug/l 98
35) Methacrylonitrile	5.03	41	45356	18.068	ug/l 96
36) 1,2-Dichloroethane	6.18	62	77354	17.650	ug/l 99
37) Trichloroethene	7.21	130	67395	18.547	ug/l 97
38) Methylcyclohexane	7.46	83	92651	17.587	ug/l 99
39) 1,2-Dichloropropane	7.51	63	65502	19.299	ug/l 98
40) Dibromomethane	7.65	93	41551	19.262	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015280.D
 Acq On : 14 Mar 2020 00:44
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:07:42 PM

Quant Time: Mar 16 09:51:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 12 14:12:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	80817	18.942	ug/l	98
42) Vinyl Acetate	3.81	43	755156	82.470	ug/l	100
43) Ethyl Acetate	4.82	43	79100	17.955	ug/l	96
44) Isopropyl Acetate	6.43	43	131702	17.674	ug/l	99
45) 1,4-Dioxane	7.73	88	23957	327.336	ug/l	98
46) Methyl methacrylate	7.76	41	68427	18.622	ug/l	98
47) n-amyl Acetate	10.89	43	112838	16.876	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	82395	17.760	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	95633	18.152	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	61997	19.437	ug/l	97
51) Ethyl methacrylate	9.17	69	92650	18.615	ug/l	93
52) 1,3-Dichloropropane	9.37	76	102765	19.036	ug/l	99
53) Dibromochloromethane	9.57	129	64304	18.930	ug/l	96
54) 1,2-Dibromoethane	9.67	107	62111	18.876	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	265204	106.390	ug/l	99
56) Bromoform	10.85	173	46752	17.554	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	422990	89.679	ug/l	99
59) 2-Hexanone	9.48	43	308679	86.586	ug/l	99
61) Tetrachloroethene	9.33	164	68397	17.735	ug/l	95
62) Toluene	8.78	91	264814	18.062	ug/l	100
64) Chlorobenzene	10.14	112	172137	18.375	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	61620	17.858	ug/l	98
66) Ethyl Benzene	10.25	91	293813	17.990	ug/l	100
67) m/p-Xylenes	10.35	106	223523	35.654	ug/l	100
68) o-Xylene	10.70	106	104361	17.362	ug/l	100
69) Styrene	10.71	104	181228	17.325	ug/l	99
70) Isopropylbenzene	11.01	105	280146	17.511	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	90678	17.461	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	73950m	17.397	ug/l	
73) Bromobenzene	11.25	156	75702	17.350	ug/l	99
74) n-propylbenzene	11.35	91	323210	17.101	ug/l	100
75) 2-Chlorotoluene	11.42	91	192658	17.459	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	234354	17.160	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	24882	13.976	ug/l	96
78) 4-Chlorotoluene	11.51	91	215075	16.929	ug/l	99
79) tert-butylbenzene	11.76	119	217128	16.958	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	233460	17.290	ug/l	100
81) sec-Butylbenzene	11.94	105	270661	17.033	ug/l	100
82) p-Isopropyltoluene	12.06	119	242544	16.598	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	133830	17.359	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	134053	17.384	ug/l	99
85) n-Butylbenzene	12.38	91	207673	16.217	ug/l	100
86) Hexachloroethane	12.59	117	42304	16.537	ug/l	93
87) 1,2-Dichlorobenzene	12.38	146	131964	17.556	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	17844	16.689	ug/l	93
89) 1,2,4-Trichlorobenzene	13.64	180	89735	16.151	ug/l	98
90) Hexachlorobutadiene	13.77	225	43880	15.351	ug/l	99
91) Naphthalene	13.83	128	259794	16.879	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	94572	16.913	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
Data File : VX015280.D
Acq On : 14 Mar 2020 00:44
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:07:42 PM

Quant Time: Mar 16 09:51:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X031220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 12 14:12:53 2020
Response via : Initial Calibration

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

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

