

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040720\
 Data File : VX015555.D
 Acq On : 07 Apr 2020 21:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 11:13:16 AM

Quant Time: Apr 08 04:08:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	183034	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	1041061	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	957366	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	457171	31.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.53%
60) 4-Bromofluorobenzene	11.12	95	506680	30.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.10%
63) Toluene-d8	8.70	98	1228976	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	151730	17.359	ug/l 98
3) Chloromethane	1.31	50	192348	17.831	ug/l 100
4) Vinyl Chloride	1.39	62	196612	18.946	ug/l 99
5) Bromomethane	1.63	94	123759	22.402	ug/l 98
6) Chloroethane	1.72	64	133924	20.685	ug/l 95
7) Trichlorofluoromethane	1.92	101	284384	19.175	ug/l 97
8) Diethyl Ether	2.17	74	120156	21.058	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	185706	18.926	ug/l 97
10) 1,1-Dichloroethene	2.36	96	190020	19.066	ug/l 91
11) Methyl Iodide	2.49	142	187574	14.163	ug/l 97
12) Methyl Acetate	2.75	43	293914	20.154	ug/l 98
13) Acrolein	2.27	56	245105	129.197	ug/l 95
14) Acrylonitrile	3.11	53	625720	100.221	ug/l 99
15) Acetone	2.42	58	159525	100.484	ug/l 89
16) Carbon Disulfide	2.55	76	544333	18.683	ug/l 100
17) Allyl chloride	2.71	41	407488	18.109	ug/l 97
18) Methylene Chloride	2.84	84	220120	19.672	ug/l 97
19) trans-1,2-Dichloroethene	3.14	96	211808	19.646	ug/l 99
20) Diisopropyl ether	3.83	45	796015	19.724	ug/l 97
21) 1,1-Dichloroethane	3.67	63	406750	19.745	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	240472	19.362	ug/l 99
23) tert-Butyl Alcohol	3.01	59	290094	94.462	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	728736	19.694	ug/l 99
25) Chloroform	5.18	83	404343	19.857	ug/l 99
26) Cyclohexane	5.55	56	364302	18.509	ug/l # 99
29) 1,1-Dichloropropene	5.78	75	302517	19.341	ug/l 99
30) 2-Butanone	4.64	43	915415	97.632	ug/l 98
31) 2,2-Dichloropropane	4.56	77	315069	16.740	ug/l 99
32) 1,1,1-Trichloroethane	5.47	97	364253	19.088	ug/l 97
33) Carbon Tetrachloride	5.76	117	326389	18.768	ug/l 99
34) Benzene	6.11	78	865456	19.199	ug/l 97
35) Methacrylonitrile	5.01	41	206358	19.408	ug/l 97
36) 1,2-Dichloroethane	6.17	62	354103	20.328	ug/l 99
37) Trichloroethene	7.19	130	243051	19.148	ug/l 99
38) Methylcyclohexane	7.45	83	342841	17.880	ug/l 98
39) 1,2-Dichloropropane	7.49	63	229824	18.981	ug/l 97
40) Dibromomethane	7.64	93	153523	19.049	ug/l 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX040720\
 Data File : VX015555.D
 Acq On : 07 Apr 2020 21:41
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 11:13:16 AM

Quant Time: Apr 08 04:08:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	332812	19.001	ug/l	98
42) Vinyl Acetate	3.79	43	3550049	99.927	ug/l	100
43) Ethyl Acetate	4.79	43	370073	18.145	ug/l	99
44) Isopropyl Acetate	6.42	43	624865	19.037	ug/l	100
45) 1,4-Dioxane	7.72	88	109054	360.658	ug/l	99
46) Methyl methacrylate	7.75	41	311968	19.046	ug/l	99
47) n-amyl Acetate	10.89	43	538137	19.014	ug/l	98
48) t-1,3-Dichloropropene	9.03	75	362162	17.911	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	383995	18.399	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	225252	19.476	ug/l	100
51) Ethyl methacrylate	9.16	69	376989	18.952	ug/l	96
52) 1,3-Dichloropropane	9.36	76	395202	19.783	ug/l	100
53) Dibromochloromethane	9.56	129	259396	18.194	ug/l	99
54) 1,2-Dibromoethane	9.65	107	240755	19.400	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	928138	98.792	ug/l	99
56) Bromoform	10.84	173	205488	17.528	ug/l #	97
58) 4-Methyl-2-Pentanone	8.62	43	1844520	100.668	ug/l	100
59) 2-Hexanone	9.47	43	1385380	99.387	ug/l	99
61) Tetrachloroethene	9.32	164	232078	18.860	ug/l	97
62) Toluene	8.77	91	944580	19.479	ug/l	99
64) Chlorobenzene	10.12	112	601499	19.293	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	237364	18.631	ug/l	98
66) Ethyl Benzene	10.24	91	1083013	19.550	ug/l	98
67) m/p-Xylenes	10.34	106	806739	38.477	ug/l	99
68) o-Xylene	10.68	106	386099	18.840	ug/l	99
69) Styrene	10.70	104	687392	19.251	ug/l	100
70) Isopropylbenzene	11.01	105	1063611	19.577	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	341347	19.385	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	319864m	19.413	ug/l	
73) Bromobenzene	11.25	156	271124	18.590	ug/l	97
74) n-propylbenzene	11.35	91	1210284	19.421	ug/l	100
75) 2-Chlorotoluene	11.41	91	738419	19.483	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	895672	19.197	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	112318	15.819	ug/l	91
78) 4-Chlorotoluene	11.50	91	864926	19.726	ug/l	99
79) tert-butylbenzene	11.76	119	876434	18.795	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	910528	19.265	ug/l	99
81) sec-Butylbenzene	11.93	105	1027872	19.216	ug/l	100
82) p-Isopropyltoluene	12.05	119	963522	19.111	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	500304	19.078	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	511262	19.536	ug/l	99
85) n-Butylbenzene	12.37	91	859198	19.120	ug/l	99
86) Hexachloroethane	12.58	117	177045	18.169	ug/l	92
87) 1,2-Dichlorobenzene	12.38	146	479026	18.723	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	86031	18.548	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	376396	18.263	ug/l	100
90) Hexachlorobutadiene	13.77	225	167389	15.417	ug/l	99
91) Naphthalene	13.82	128	1174889	19.686	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	387647	18.934	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040720\
Data File : VX015555.D
Acq On : 07 Apr 2020 21:41
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
4/8/2020 11:13:16 AM

Quant Time: Apr 08 04:08:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 26 02:31:53 2020
Response via : Initial Calibration

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

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

