

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043020\
 Data File : VX015988.D
 Acq On : 30 Apr 2020 10:54
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:10 PM

Quant Time: Apr 30 12:42:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50255	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	280577	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	257270	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	119054	30.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.30%
60) 4-Bromofluorobenzene	11.12	95	128341	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	8.70	98	339060	30.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	70108	23.634	ug/l 100
3) Chloromethane	1.32	50	66864	20.637	ug/l 100
4) Vinyl Chloride	1.40	62	74287	22.481	ug/l 100
5) Bromomethane	1.64	94	50845	27.353	ug/l 100
6) Chloroethane	1.71	64	48933	23.346	ug/l 100
7) Trichlorofluoromethane	1.92	101	105688	22.476	ug/l 100
8) Diethyl Ether	2.17	74	40944	22.561	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	53063	19.239	ug/l 100
10) 1,1-Dichloroethene	2.36	96	54147	19.379	ug/l 100
11) Methyl Iodide	2.50	142	70263	18.937	ug/l 100
12) Methyl Acetate	2.75	43	96970	21.759	ug/l 100
13) Acrolein	2.28	56	32530	69.526	ug/l 100
14) Acrylonitrile	3.12	53	171341	97.536	ug/l 100
15) Acetone	2.42	58	44906	99.402	ug/l 100
16) Carbon Disulfide	2.56	76	161988	19.548	ug/l 100
17) Allyl chloride	2.71	41	100059	17.044	ug/l 100
18) Methylene Chloride	2.84	84	59787	19.122	ug/l 100
19) trans-1,2-Dichloroethene	3.15	96	58226	19.233	ug/l 100
20) Diisopropyl ether	3.83	45	190578	17.797	ug/l 100
21) 1,1-Dichloroethane	3.68	63	107161	18.868	ug/l 100
22) cis-1,2-Dichloroethene	4.57	96	65129	18.814	ug/l 100
23) tert-Butyl Alcohol	3.01	59	84217	97.855	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	191674	18.817	ug/l 100
25) Chloroform	5.18	83	108175	19.041	ug/l 100
26) Cyclohexane	5.56	56	97627	18.167	ug/l 100
29) 1,1-Dichloropropene	5.78	75	81028	18.938	ug/l 100
30) 2-Butanone	4.64	43	243853	95.683	ug/l 100
31) 2,2-Dichloropropane	4.55	77	99295	19.299	ug/l 100
32) 1,1,1-Trichloroethane	5.47	97	99667	19.173	ug/l 100
33) Carbon Tetrachloride	5.76	117	88048	18.691	ug/l 100
34) Benzene	6.12	78	239002	19.304	ug/l 100
35) Methacrylonitrile	5.01	41	51418	18.220	ug/l 100
36) 1,2-Dichloroethane	6.17	62	91848	19.418	ug/l 100
37) Trichloroethene	7.19	130	89119	22.830	ug/l 100
38) Methylcyclohexane	7.45	83	98625	18.884	ug/l 100
39) 1,2-Dichloropropane	7.49	63	61047	18.696	ug/l 100
40) Dibromomethane	7.64	93	43043	19.420	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043020\
 Data File : VX015988.D
 Acq On : 30 Apr 2020 10:54
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 3:10:10 PM

Quant Time: Apr 30 12:42:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:23:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	85419	18.201	ug/l	100
42) Vinyl Acetate	3.79	43	793560	87.903	ug/l	100
43) Ethyl Acetate	4.79	43	96447	17.563	ug/l	100
44) Isopropyl Acetate	6.42	43	155616	18.058	ug/l	100
45) 1,4-Dioxane	7.71	88	32460	390.297	ug/l	100
46) Methyl methacrylate	7.74	41	72669	17.238	ug/l	100
47) n-amyl Acetate	10.88	43	131969	17.621	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	98506	18.154	ug/l	100
49) cis-1,3-Dichloropropene	8.41	75	104104	18.562	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	59139	18.828	ug/l	100
51) Ethyl methacrylate	9.16	69	94445	17.805	ug/l	100
52) 1,3-Dichloropropane	9.35	76	103621	19.077	ug/l	100
53) Dibromochloromethane	9.57	129	65507	17.404	ug/l	100
54) 1,2-Dibromoethane	9.65	107	63832	18.746	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	255896	98.711	ug/l	100
56) Bromoform	10.84	173	47594	15.902	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	472426	96.538	ug/l	100
59) 2-Hexanone	9.47	43	361519	96.443	ug/l	100
61) Tetrachloroethene	9.32	164	99001	24.652	ug/l	100
62) Toluene	8.77	91	254582	19.334	ug/l	100
64) Chlorobenzene	10.12	112	161213	19.046	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	60568	17.979	ug/l	100
66) Ethyl Benzene	10.24	91	289365	19.312	ug/l	100
67) m/p-Xylenes	10.34	106	217497	38.135	ug/l	100
68) o-Xylene	10.68	106	103722	18.755	ug/l	100
69) Styrene	10.70	104	176639	18.476	ug/l	100
70) Isopropylbenzene	11.00	105	281888	19.089	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	42035	10.766	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	85566m	19.047	ug/l	100
73) Bromobenzene	11.24	156	71309	18.315	ug/l	100
74) n-propylbenzene	11.35	91	325844	19.179	ug/l	100
75) 2-Chlorotoluene	11.40	91	192547	18.856	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	235660	18.716	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	35447	18.397	ug/l	100
78) 4-Chlorotoluene	11.49	91	226119	19.009	ug/l	100
79) tert-butylbenzene	11.76	119	198910	16.716	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	236943	18.682	ug/l	100
81) sec-Butylbenzene	11.93	105	272331	18.801	ug/l	100
82) p-Isopropyltoluene	12.05	119	251146	18.477	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	125529	17.947	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	124468	17.887	ug/l	100
85) n-Butylbenzene	12.37	91	226108	18.587	ug/l	100
86) Hexachloroethane	12.58	117	42563	16.817	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	123767	18.200	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	21228	17.530	ug/l	100
89) 1,2,4-Trichlorobenzene	13.63	180	89995	16.853	ug/l	100
90) Hexachlorobutadiene	13.77	225	40016	14.903	ug/l	100
91) Naphthalene	13.82	128	290340	18.404	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	85973	16.474	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX043020\
Data File : VX015988.D
Acq On : 30 Apr 2020 10:54
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:10 PM

Quant Time: Apr 30 12:42:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:23:54 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\VX043020\
Data File : VX015988.D
Acq On : 30 Apr 2020 10:54
Operator : JC/SP
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
VSTDICCC020

Manual Integrations
APPROVED

MMDadoda
5/4/2020 3:10:10 PM

Quant Time: Apr 30 12:42:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:23:54 2020
Response via : Initial Calibration

