

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
 Data File : VX014984.D
 Acq On : 21 Feb 2020 09:37
 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
 2/24/2020 11:28:49 AM

Quant Time: Feb 22 00:31:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 10:51:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	78187	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	429504	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	384858	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	164332	29.86	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.53%
60) 4-Bromofluorobenzene	11.13	95	180361	29.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.00%
63) Toluene-d8	8.71	98	513787	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	64183	12.947	ug/l 100
3) Chloromethane	1.32	50	84029	15.073	ug/l 100
4) Vinyl Chloride	1.41	62	89511	14.390	ug/l 100
5) Bromomethane	1.64	94	60549	14.902	ug/l 100
6) Chloroethane	1.73	64	61810	17.120	ug/l 100
7) Trichlorofluoromethane	1.93	101	131944	18.120	ug/l 100
8) Diethyl Ether	2.18	74	55304	17.475	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	77026	18.156	ug/l 100
10) 1,1-Dichloroethene	2.37	96	75909	17.760	ug/l 100
11) Methyl Iodide	2.51	142	85456	15.272	ug/l 100
12) Methyl Acetate	2.76	43	94654	13.067	ug/l 100
13) Acrolein	2.28	56	93145	109.517	ug/l 100
14) Acrylonitrile	3.13	53	212075	82.279	ug/l 100
15) Acetone	2.43	58	84238	95.511	ug/l 100
16) Carbon Disulfide	2.57	76	199171	17.065	ug/l 100
17) Allyl chloride	2.72	41	130514	16.687	ug/l 100
18) Methylene Chloride	2.85	84	89869	18.020	ug/l 100
19) trans-1,2-Dichloroethene	3.16	96	83914	18.169	ug/l 100
20) Diisopropyl ether	3.84	45	277910	17.819	ug/l 100
21) 1,1-Dichloroethane	3.69	63	148477	17.559	ug/l 100
22) cis-1,2-Dichloroethene	4.59	96	97977	18.385	ug/l 100
23) tert-Butyl Alcohol	3.02	59	83515	78.234	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	253534	17.854	ug/l 100
25) Chloroform	5.20	83	151970	18.351	ug/l 100
26) Cyclohexane	5.58	56	133373	17.151	ug/l 100
29) 1,1-Dichloropropene	5.79	75	111826	18.004	ug/l 100
30) 2-Butanone	4.65	43	339762	87.647	ug/l 100
31) 2,2-Dichloropropane	4.58	77	122820	18.354	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	126458	18.285	ug/l 100
33) Carbon Tetrachloride	5.78	117	110831	18.574	ug/l 100
34) Benzene	6.14	78	342141	17.921	ug/l 100
35) Methacrylonitrile	5.03	41	64194	16.660	ug/l 100
36) 1,2-Dichloroethane	6.18	62	121071	18.153	ug/l 100
37) Trichloroethene	7.21	130	93509	17.866	ug/l 100
38) Methylcyclohexane	7.46	83	137037	17.774	ug/l 100
39) 1,2-Dichloropropane	7.51	63	86962	17.548	ug/l 100
40) Dibromomethane	7.65	93	59452	18.420	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022120\
 Data File : VX014984.D
 Acq On : 21 Feb 2020 09:37
 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
 2/24/2020 11:28:49 AM

Quant Time: Feb 22 00:31:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 10:51:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	113960	18.045	ug/l	100
42) Vinyl Acetate	3.80	43	1149067	93.897	ug/l	100
43) Ethyl Acetate	4.82	43	118547	16.971	ug/l	100
44) Isopropyl Acetate	6.43	43	194847	17.130	ug/l	100
45) 1,4-Dioxane	7.73	88	36857	329.910	ug/l	100
46) Methyl methacrylate	7.76	41	94791	16.968	ug/l	100
47) n-amyl Acetate	10.89	43	163014	16.923	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	123528	17.921	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	138519	17.874	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	89349	18.317	ug/l	100
51) Ethyl methacrylate	9.17	69	129552	17.057	ug/l	100
52) 1,3-Dichloropropane	9.37	76	148923	18.020	ug/l	100
53) Dibromochloromethane	9.57	129	92641	18.333	ug/l	100
54) 1,2-Dibromoethane	9.67	107	91882	18.173	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	361160	100.476	ug/l	100
56) Bromoform	10.85	173	71328	18.322	ug/l	100
58) 4-Methyl-2-Pentanone	8.63	43	593085	84.690	ug/l	100
59) 2-Hexanone	9.48	43	472832	86.929	ug/l	100
61) Tetrachloroethene	9.33	164	99266	17.840	ug/l	100
62) Toluene	8.78	91	372520	18.478	ug/l	100
64) Chlorobenzene	10.14	112	235273	18.638	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	87342	18.717	ug/l	100
66) Ethyl Benzene	10.25	91	406995	18.471	ug/l	100
67) m/p-Xylenes	10.35	106	312632	37.061	ug/l	100
68) o-Xylene	10.70	106	150327	18.313	ug/l	100
69) Styrene	10.71	104	253286	18.194	ug/l	100
70) Isopropylbenzene	11.01	105	403830	18.687	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	129821	18.037	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	108606m	17.243	ug/l	100
73) Bromobenzene	11.25	156	108837	18.938	ug/l	100
74) n-propylbenzene	11.35	91	457699	18.516	ug/l	100
75) 2-Chlorotoluene	11.42	91	274042	18.529	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	337365	18.721	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	39856	16.740	ug/l	100
78) 4-Chlorotoluene	11.51	91	311161	18.509	ug/l	100
79) tert-butylbenzene	11.76	119	321121	18.938	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	335402	18.707	ug/l	100
81) sec-Butylbenzene	11.94	105	388571	18.574	ug/l	100
82) p-Isopropyltoluene	12.06	119	360442	18.851	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	186124	18.584	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	189366	18.903	ug/l	100
85) n-Butylbenzene	12.38	91	300881	17.978	ug/l	100
86) Hexachloroethane	12.59	117	60621	17.748	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	187076	18.536	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27268	17.689	ug/l	100
89) 1,2,4-Trichlorobenzene	13.64	180	129693	19.157	ug/l	100
90) Hexachlorobutadiene	13.77	225	64770	19.191	ug/l	100
91) Naphthalene	13.83	128	379938	18.792	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	130723	19.040	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
Data File : VX014984.D
Acq On : 21 Feb 2020 09:37
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
2/24/2020 11:28:49 AM

Quant Time: Feb 22 00:31:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 21 10:51:02 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\VX022120\
Data File : VX014984.D
Acq On : 21 Feb 2020 09:37
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
2/24/2020 11:28:49 AM

Quant Time: Feb 22 00:31:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 21 10:51:02 2020
Response via : Initial Calibration

