

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009251.D
 Acq On : 01 May 2019 11:30
 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
 5/2/2019 10:53:08 AM

Quant Time: May 02 06:40:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31917	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	185946	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	162783	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	78806	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	11.13	95	83807	30.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.00%
63) Toluene-d8	8.71	98	236036	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	33651	20.000	ug/l 100
3) Chloromethane	1.32	50	44747	20.000	ug/l 100
4) Vinyl Chloride	1.40	62	45123	20.000	ug/l 100
5) Bromomethane	1.64	94	25594	20.000	ug/l 100
6) Chloroethane	1.72	64	30274	20.000	ug/l 100
7) Trichlorofluoromethane	1.93	101	54899	20.000	ug/l 100
8) Diethyl Ether	2.18	74	25512	20.000	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34367	20.000	ug/l 100
10) 1,1-Dichloroethene	2.37	96	34518	20.000	ug/l 100
11) Methyl Iodide	2.51	142	34812	20.000	ug/l 100
12) Methyl Acetate	2.77	43	63062	20.000	ug/l 100
13) Acrolein	2.29	56	41212	100.000	ug/l 100
14) Acrylonitrile	3.14	53	139209	100.000	ug/l 100
15) Acetone	2.44	58	41356	100.000	ug/l 100
16) Carbon Disulfide	2.57	76	92580	20.000	ug/l 100
17) Allyl chloride	2.73	41	81380	20.000	ug/l 100
18) Methylene Chloride	2.85	84	41130	20.000	ug/l 100
19) trans-1,2-Dichloroethene	3.17	96	36395	20.000	ug/l 100
20) Diisopropyl ether	3.85	45	161854	20.000	ug/l 100
21) 1,1-Dichloroethane	3.70	63	77453	20.000	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	43858	20.000	ug/l 100
23) tert-Butyl Alcohol	3.04	59	56742	100.000	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	131541	20.000	ug/l 100
25) Chloroform	5.21	83	71587	20.000	ug/l 100
26) Cyclohexane	5.58	56	73799	20.000	ug/l # 100
29) 1,1-Dichloropropene	5.80	75	54015	20.000	ug/l 100
30) 2-Butanone	4.67	43	211387	100.000	ug/l 100
31) 2,2-Dichloropropane	4.58	77	58958	20.000	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	56735	20.000	ug/l 100
33) Carbon Tetrachloride	5.78	117	48232	20.000	ug/l 100
34) Benzene	6.14	78	167473	20.000	ug/l 100
35) Methacrylonitrile	5.04	41	44309	20.000	ug/l 100
36) 1,2-Dichloroethane	6.19	62	60331	20.000	ug/l 100
37) Trichloroethene	7.21	130	39230	20.000	ug/l 100
38) Methylcyclohexane	7.46	83	66028	20.000	ug/l 100
39) 1,2-Dichloropropane	7.51	63	47018	20.000	ug/l 100
40) Dibromomethane	7.66	93	26781	20.000	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009251.D
 Acq On : 01 May 2019 11:30
 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
 5/2/2019 10:53:08 AM

Quant Time: May 02 06:40:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:30:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	53628	20.000	ug/l	100
42) Vinyl Acetate	3.81	43	700642	100.000	ug/l	100
43) Ethyl Acetate	4.83	43	78216	20.000	ug/l	100
44) Isopropyl Acetate	6.44	43	120346	20.000	ug/l	100
45) 1,4-Dioxane	7.74	88	23928	400.000	ug/l	100
46) Methyl methacrylate	7.77	41	60837	20.000	ug/l	100
47) n-amyl Acetate	10.90	43	107459	20.000	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	61325	20.000	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	68273	20.000	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	41113	20.000	ug/l	100
51) Ethyl methacrylate	9.18	69	74666	20.000	ug/l	100
52) 1,3-Dichloropropane	9.37	76	73033	20.000	ug/l	100
53) Dibromochloromethane	9.58	129	39529	20.000	ug/l	100
54) 1,2-Dibromoethane	9.67	107	41770	20.000	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	210312	100.000	ug/l	100
56) Bromoform	10.85	173	29376	20.000	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	398042	100.000	ug/l	100
59) 2-Hexanone	9.49	43	313933	100.000	ug/l	100
61) Tetrachloroethene	9.34	164	35851	20.000	ug/l	100
62) Toluene	8.78	91	174885	20.000	ug/l	100
64) Chlorobenzene	10.13	112	103172	20.000	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	37338	20.000	ug/l	100
66) Ethyl Benzene	10.25	91	192936	20.000	ug/l	100
67) m/p-Xylenes	10.36	106	140517	40.000	ug/l	100
68) o-Xylene	10.69	106	68304	20.000	ug/l	100
69) Styrene	10.71	104	120006	20.000	ug/l	100
70) Isopropylbenzene	11.02	105	186150	20.000	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	66917	20.000	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	59018m	20.000	ug/l	100
73) Bromobenzene	11.26	156	45796	20.000	ug/l	100
74) n-propylbenzene	11.36	91	213741	20.000	ug/l	100
75) 2-Chlorotoluene	11.42	91	128709	20.000	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	156320	20.000	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	21779	20.000	ug/l	100
78) 4-Chlorotoluene	11.51	91	144068	20.000	ug/l	100
79) tert-butylbenzene	11.77	119	151000	20.000	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	156106	20.000	ug/l	100
81) sec-Butylbenzene	11.94	105	178859	20.000	ug/l	100
82) p-Isopropyltoluene	12.06	119	162294	20.000	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	79397	20.000	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	78206	20.000	ug/l	100
85) n-Butylbenzene	12.38	91	144045	20.000	ug/l	100
86) Hexachloroethane	12.60	117	27552	20.000	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	81141	20.000	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15447	20.000	ug/l	100
89) 1,2,4-Trichlorobenzene	13.65	180	55560	20.000	ug/l	100
90) Hexachlorobutadiene	13.78	225	28166	20.000	ug/l	100
91) Naphthalene	13.83	128	190320	20.000	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	58450	20.000	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
Data File : VX009251.D
Acq On : 01 May 2019 11:30
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
5/2/2019 10:53:08 AM

Quant Time: May 02 06:40:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:30:24 2019
Response via : Initial Calibration

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

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

