

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003348.D
 Acq On : 12 Jul 2018 13:23
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:35:51 AM

Quant Time: Jul 12 17:06:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	69302	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	353186	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	316654	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	133140	28.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.77%
60) 4-Bromofluorobenzene	11.14	95	146509	28.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.97%
63) Toluene-d8	8.72	98	427212	30.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	101116	19.221 ug/l	96
3) Chloromethane	1.32	50	96736	18.515 ug/l	100
4) Vinyl Chloride	1.40	62	103532	18.174 ug/l	99
5) Bromomethane	1.64	94	55036	23.300 ug/l	98
6) Chloroethane	1.73	64	59116	17.411 ug/l	99
7) Trichlorofluoromethane	1.93	101	135724	17.883 ug/l	95
8) Diethyl Ether	2.19	74	55351	17.834 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	83226	17.914 ug/l	97
10) 1,1-Dichloroethene	2.37	96	77978	18.089 ug/l	92
11) Methyl Iodide	2.51	142	78133	20.468 ug/l	93
12) Methyl Acetate	2.78	43	126326	18.050 ug/l	96
13) Acrolein	2.29	56	47575	87.487 ug/l	95
14) Acrylonitrile	3.15	53	234911	89.190 ug/l	98
15) Acetone	2.45	58	61628	89.256 ug/l #	67
16) Carbon Disulfide	2.57	76	225849	18.341 ug/l	98
17) Allyl chloride	2.73	41	139487	17.011 ug/l	92
18) Methylene Chloride	2.86	84	90133	17.817 ug/l	86
19) trans-1,2-Dichloroethene	3.17	96	85359	18.362 ug/l	87
20) Diisopropyl ether	3.88	45	256863	17.337 ug/l	93
21) 1,1-Dichloroethane	3.70	63	148886	17.135 ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	94578	19.136 ug/l	82
23) tert-Butyl Alcohol	3.08	59	100463	91.867 ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	252856	17.563 ug/l #	89
25) Chloroform	5.23	83	151913	19.414 ug/l	95
26) Cyclohexane	5.58	56	131524	19.390 ug/l #	93
29) 1,1-Dichloropropene	5.80	75	111853	20.086 ug/l	98
30) 2-Butanone	4.71	43	303347	97.489 ug/l	93
31) 2,2-Dichloropropane	4.59	77	112121	18.642 ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	122998	19.509 ug/l	97
33) Carbon Tetrachloride	5.79	117	105205	19.014 ug/l	99
34) Benzene	6.15	78	326997	19.941 ug/l	97
35) Methacrylonitrile	5.07	41	66415	20.175 ug/l	93
36) 1,2-Dichloroethane	6.20	62	106294	18.640 ug/l #	94
37) Trichloroethene	7.21	130	91181	20.107 ug/l	91
38) Methylcyclohexane	7.46	83	122171	19.410 ug/l	96
39) 1,2-Dichloropropane	7.52	63	81369	19.204 ug/l	95
40) Dibromomethane	7.67	93	53640	19.277 ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003348.D
 Acq On : 12 Jul 2018 13:23
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICV020

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:35:51 AM

Quant Time: Jul 12 17:06:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	96321	18.525	ug/l	97
42) Vinyl Acetate	3.82	43	1067583	89.307	ug/l	96
43) Ethyl Acetate	4.87	43	115466	19.536	ug/l	96
44) Isopropyl Acetate	6.47	43	168145	18.561	ug/l	93
45) 1,4-Dioxane	7.76	88	40495	418.801	ug/l #	80
46) Methyl methacrylate	7.78	41	87968	18.778	ug/l	86
47) n-amyl Acetate	10.90	43	136733	17.524	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	118622	18.745	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	107555	18.768	ug/l	89
50) 1,1,2-Trichloroethane	9.22	97	81690	19.464	ug/l	98
51) Ethyl methacrylate	9.18	69	115543	18.891	ug/l	83
52) 1,3-Dichloropropane	9.37	76	132908	19.281	ug/l	99
53) Dibromochloromethane	9.59	129	77567	18.494	ug/l	100
54) 1,2-Dibromoethane	9.68	107	85310	19.601	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	297564	103.123	ug/l	99
56) Bromoform	10.86	173	56631	17.659	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	557215	98.783	ug/l	92
59) 2-Hexanone	9.50	43	422454	97.784	ug/l	92
61) Tetrachloroethene	9.34	164	99702	20.572	ug/l	98
62) Toluene	8.79	91	350740	20.302	ug/l	100
64) Chlorobenzene	10.14	112	228447	19.969	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	79604	19.617	ug/l	99
66) Ethyl Benzene	10.26	91	378493	19.826	ug/l	99
67) m/p-Xylenes	10.36	106	292030	39.313	ug/l	97
68) o-Xylene	10.70	106	137857	19.288	ug/l	97
69) Styrene	10.71	104	228909	19.267	ug/l	97
70) Isopropylbenzene	11.02	105	366179	19.322	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	113827	19.151	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	99848m	14.363	ug/l	
73) Bromobenzene	11.26	156	99568	18.901	ug/l	96
74) n-propylbenzene	11.37	91	416535	18.871	ug/l	99
75) 2-Chlorotoluene	11.43	91	246762	18.690	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	297495	18.551	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	30389	18.304	ug/l	94
78) 4-Chlorotoluene	11.51	91	284887	18.471	ug/l	99
79) tert-butylbenzene	12.07	119	301682	17.762	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	297584	18.262	ug/l	98
81) sec-Butylbenzene	11.95	105	343510	18.105	ug/l	99
82) p-Isopropyltoluene	12.07	119	301682	17.762	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	174449	17.873	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	174704	17.734	ug/l	99
85) n-Butylbenzene	12.39	91	258858	17.359	ug/l	99
86) Hexachloroethane	12.60	117	40857	16.342	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	173662	17.799	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	21378	17.313	ug/l	93
89) 1,2,4-Trichlorobenzene	13.65	180	120880	17.256	ug/l	100
90) Hexachlorobutadiene	13.79	225	58331	16.995	ug/l	99
91) Naphthalene	13.83	128	355071	17.576	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	123726	17.422	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
Data File : VX003348.D
Acq On : 12 Jul 2018 13:23
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICV020

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:35:51 AM

Quant Time: Jul 12 17:06:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 12 13:28:20 2018
Response via : Initial Calibration

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

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

