

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003913.D
 Acq On : 08 Aug 2018 07:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:06:30 PM

Quant Time: Aug 08 08:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	70678	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	390299	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	357824	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	147353	28.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.67%
60) 4-Bromofluorobenzene	11.14	95	170773	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	8.72	98	477577	29.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.77%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	98575	26.40	ug/l	100
3) Chloromethane	1.32	50	98593	19.62	ug/l	98
4) Vinyl Chloride	1.40	62	105547	19.97	ug/l	100
5) Bromomethane	1.64	94	60030	19.01	ug/l	99
6) Chloroethane	1.73	64	69125	19.99	ug/l	97
7) Trichlorofluoromethane	1.93	101	136240	19.17	ug/l	100
8) Diethyl Ether	2.19	74	59951	19.68	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	80921	18.78	ug/l	93
10) 1,1-Dichloroethene	2.37	96	78487	19.37	ug/l	91
11) Methyl Iodide	2.51	142	97371	17.34	ug/l	91
13) Acrolein	2.29	56	63120	107.94	ug/l	98
14) Acrylonitrile	3.15	53	255820	86.59	ug/l	99
15) Acetone	2.45	58	72702	90.69	ug/l	79
16) Carbon Disulfide	2.57	76	202854	18.03	ug/l	100
17) Allvl chloride	2.73	41	136690	16.30	ug/l	92
18) Methylene Chloride	2.85	84	91497	19.06	ug/l	95
19) trans-1,2-Dichloroethene	3.16	96	83925	19.16	ug/l	96
20) Diisopropyl ether	3.87	45	267191	17.35	ug/l	97
21) 1,1-Dichloroethane	3.70	63	152972	17.55	ug/l	97
22) cis-1,2-Dichloroethene	4.60	96	93209	21.07	ug/l #	67
23) tert-Butyl Alcohol	3.07	59	114900	92.59	ug/l #	100
25) Chloroform	5.21	83	152510	20.20	ug/l	96
26) Cyclohexane	5.58	56	129494	19.77	ug/l #	89
29) 1,1-Dichloropropene	5.80	75	112965	19.60	ug/l	99
30) 2-Butanone	4.71	43	322039	87.50	ug/l #	92
31) 2,2-Dichloropropane	4.59	77	54342	9.73	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	127071	19.27	ug/l	99
33) Carbon Tetrachloride	5.79	117	108704	18.97	ug/l	97
34) Benzene	6.14	78	351299	19.84	ug/l	98
35) Methacrylonitrile	5.06	41	68506	17.91	ug/l	90
36) 1,2-Dichloroethane	6.20	62	120152	18.88	ug/l #	94
37) Trichloroethene	7.21	130	92899	20.13	ug/l	88
38) Methylcyclohexane	7.46	83	123510	18.86	ug/l	95
39) 1,2-Dichloropropane	7.52	63	88448	18.90	ug/l	98
40) Dibromomethane	7.67	93	56606	18.69	ug/l	95
41) Bromodichloromethane	7.90	83	105701	18.27	ug/l	97
42) Vinyl Acetate	3.82	43	1030525	72.87	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
 Data File : VX003913.D
 Acq On : 08 Aug 2018 07:10
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 12:06:30 PM

Quant Time: Aug 08 08:44:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.86	43	116933	17.01	ug/l	99
44) Isopropyl Acetate	6.46	43	184285	17.48	ug/l	93
45) 1,4-Dioxane	7.76	88	46761	399.29	ug/l #	82
46) Methyl methacrylate	7.78	41	97322	17.89	ug/l	89
47) n-amyl Acetate	10.90	43	158518	15.92	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	117810	16.78	ug/l	99
49) cis-1,3-Dichloropropene	9.04	75	106417	16.16	ug/l #	90
50) 1,1,2-Trichloroethane	9.22	97	89564	18.63	ug/l	97
51) Ethyl methacrylate	9.18	69	124745	17.23	ug/l	84
52) 1,3-Dichloropropane	9.37	76	150822	18.85	ug/l	99
53) Dibromochloromethane	9.59	129	84731	17.94	ug/l	100
54) 1,2-Dibromoethane	9.68	107	91646	18.23	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	328703	88.04	ug/l	97
56) Bromoform	10.86	173	63168	17.24	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	627616	92.89	ug/l #	90
59) 2-Hexanone	9.50	43	476411	88.56	ug/l	90
61) Tetrachloroethene	9.34	164	93695	22.50	ug/l	98
62) Toluene	8.79	91	378493	20.38	ug/l	99
64) Chlorobenzene	10.14	112	243210	20.26	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	84173	19.82	ug/l	98
66) Ethyl Benzene	10.26	91	406108	19.87	ug/l	99
67) m/p-Xylenes	10.36	106	322110	40.92	ug/l	96
68) o-Xylene	10.70	106	154494	20.51	ug/l	94
69) Styrene	10.71	104	250919	19.68	ug/l	97
70) Isopropylbenzene	11.02	105	414278	19.98	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	136353	18.42	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	117632m	19.10	ug/l	
73) Bromobenzene	11.26	156	108038	19.33	ug/l	98
74) n-propylbenzene	11.36	91	463391	18.97	ug/l	100
75) 2-Chlorotoluene	11.42	91	283627	19.70	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	339099	19.27	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	28535	13.60	ug/l	97
78) 4-Chlorotoluene	11.51	91	326588	19.39	ug/l	100
79) tert-butylbenzene	12.07	119	351562	19.42	ug/l	97
80) 1,2,4-Trimethylbenzene	11.81	105	352555	19.58	ug/l	98
81) sec-Butylbenzene	11.95	105	394492	19.25	ug/l	100
82) p-Isopropyltoluene	12.07	119	351562	19.42	ug/l	97
83) 1,3-Dichlorobenzene	12.03	146	199397	19.54	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	201584	19.62	ug/l	99
85) n-Butylbenzene	12.39	91	255078	15.87	ug/l	100
86) Hexachloroethane	12.60	117	46921	16.09	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	174277	17.01	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	23880	15.29	ug/l	94
89) 1,2,4-Trichlorobenzene	13.65	180	126014	17.52	ug/l	98
90) Hexachlorobutadiene	13.79	225	60936	18.69	ug/l	98
91) Naphthalene	13.83	128	431266	19.62	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	143438	19.58	ug/l	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080718\
Data File : VX003913.D
Acq On : 08 Aug 2018 07:10
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC020EC

Manual Integrations
APPROVED

MMDadoda
8/8/2018 12:06:30 PM

Quant Time: Aug 08 08:44:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 27 16:17:43 2018
Response via : Initial Calibration

