

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007964.D
 Acq On : 11 Mar 2019 12:10
 Operator : JC/SP
 Sample : VX0311WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0311WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:10:03 PM

Quant Time: Mar 12 08:19:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Fri Mar 08 12:01:36 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	42232	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	223512	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	196358	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	81119	29.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.40%
60) 4-Bromofluorobenzene	11.13	95	93271	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	8.71	98	270310	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	47374	18.895	ug/l 100
3) Chloromethane	1.33	50	49809	17.866	ug/l 98
4) Vinyl Chloride	1.41	62	50572	18.313	ug/l 99
5) Bromomethane	1.64	94	30622	22.241	ug/l 99
6) Chloroethane	1.73	64	29648	18.383	ug/l 96
7) Trichlorofluoromethane	1.93	101	64578	18.779	ug/l 97
8) Diethyl Ether	2.19	74	35209	19.881	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50756	19.631	ug/l 97
10) 1,1-Dichloroethene	2.38	96	48857	19.937	ug/l 96
11) Methyl Iodide	2.51	142	76011	19.814	ug/l 95
12) Methyl Acetate	2.78	43	73478	18.959	ug/l 95
13) Acrolein	2.30	56	48511	106.689	ug/l 99
14) Acrylonitrile	3.15	53	162092	98.522	ug/l 99
15) Acetone	2.45	58	50967	85.804	ug/l 95
16) Carbon Disulfide	2.57	76	149951	19.503	ug/l 99
17) Allyl chloride	2.73	41	98605	19.626	ug/l 91
18) Methylene Chloride	2.86	84	54282	19.443	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	52005	20.057	ug/l 98
20) Diisopropyl ether	3.87	45	178672	19.439	ug/l 92
21) 1,1-Dichloroethane	3.70	63	98509	19.706	ug/l 97
22) cis-1,2-Dichloroethene	4.60	96	58562	19.579	ug/l 91
23) tert-Butyl Alcohol	3.07	59	66460	100.130	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	168028	19.942	ug/l 95
25) Chloroform	5.21	83	93459	19.808	ug/l 95
26) Cyclohexane	5.58	56	88958	19.258	ug/l # 91
29) 1,1-Dichloropropene	5.80	75	70580	19.916	ug/l 96
30) 2-Butanone	4.70	43	228551	95.617	ug/l 98
31) 2,2-Dichloropropane	4.59	77	68270	20.856	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	77806	20.303	ug/l 99
33) Carbon Tetrachloride	5.79	117	69190	20.355	ug/l 93
34) Benzene	6.15	78	216346	19.920	ug/l 99
35) Methacrylonitrile	5.06	41	46023	19.759	ug/l 95
36) 1,2-Dichloroethane	6.20	62	70660	19.998	ug/l 99
37) Trichloroethene	7.21	130	60163	20.446	ug/l 99
38) Methylcyclohexane	7.46	83	87494	19.418	ug/l 95
39) 1,2-Dichloropropane	7.52	63	57242	20.210	ug/l 99
40) Dibromomethane	7.66	93	36676	20.414	ug/l 93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007964.D
 Acq On : 11 Mar 2019 12:10
 Operator : JC/SP
 Sample : VX0311WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0311WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:10:03 PM

Quant Time: Mar 12 08:19:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	68133	20.063	ug/l	97
42) Vinyl Acetate	3.82	43	778503	100.616	ug/l	97
43) Ethyl Acetate	4.85	43	81792	19.645	ug/l #	82
44) Isopropyl Acetate	6.46	43	125202	19.709	ug/l	98
45) 1,4-Dioxane	7.75	88	26568	399.736	ug/l	91
46) Methyl methacrylate	7.77	41	65677	19.658	ug/l	91
47) n-amyl Acetate	10.90	43	106270	19.415	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	73078	19.870	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	82166	19.730	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	55325	20.202	ug/l	93
51) Ethyl methacrylate	9.18	69	81931	19.728	ug/l	94
52) 1,3-Dichloropropane	9.37	76	90873	20.083	ug/l	100
53) Dibromochloromethane	9.58	129	56952	20.218	ug/l	99
54) 1,2-Dibromoethane	9.67	107	58280	20.356	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	199031	103.038	ug/l	99
56) Bromoform	10.85	173	45041	20.046	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	417707	103.323	ug/l	99
59) 2-Hexanone	9.49	43	319667	100.171	ug/l	99
61) Tetrachloroethene	9.34	164	59622	20.815	ug/l	96
62) Toluene	8.79	91	227643	19.854	ug/l	99
64) Chlorobenzene	10.14	112	145758	19.946	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	54234	20.728	ug/l	99
66) Ethyl Benzene	10.25	91	241534	19.612	ug/l	99
67) m/p-Xylenes	10.36	106	187887	39.787	ug/l	97
68) o-Xylene	10.69	106	91042	19.854	ug/l	99
69) Styrene	10.71	104	149993	19.852	ug/l	99
70) Isopropylbenzene	11.02	105	244378	19.944	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	81653	20.177	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	79649m	20.880	ug/l	
73) Bromobenzene	11.26	156	66110	20.294	ug/l	97
74) n-propylbenzene	11.36	91	272205	19.694	ug/l	99
75) 2-Chlorotoluene	11.42	91	163911	19.785	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	202742	19.965	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	23238	19.717	ug/l	90
78) 4-Chlorotoluene	11.51	91	185549	19.810	ug/l	96
79) tert-butylbenzene	12.06	119	216360	19.854	ug/l	97
80) 1,2,4-Trimethylbenzene	11.80	105	206143	20.001	ug/l	98
81) sec-Butylbenzene	11.94	105	240292	19.686	ug/l	99
82) p-Isopropyltoluene	12.06	119	216360	19.854	ug/l	97
83) 1,3-Dichlorobenzene	12.02	146	114856	19.803	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	114163	19.674	ug/l	99
85) n-Butylbenzene	12.38	91	174484	18.722	ug/l	99
86) Hexachloroethane	12.60	117	34424	19.387	ug/l	80
87) 1,2-Dichlorobenzene	12.39	146	114302	19.941	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16288	19.704	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	80516	19.546	ug/l	99
90) Hexachlorobutadiene	13.78	225	44592	19.627	ug/l	99
91) Naphthalene	13.83	128	234856	19.889	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	80473	19.654	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
Data File : VX007964.D
Acq On : 11 Mar 2019 12:10
Operator : JC/SP
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

MMDadoda
3/12/2019 1:10:03 PM

Quant Time: Mar 12 08:19:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 08 12:01:36 2019
Response via : Initial Calibration

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

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

