

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040919\
 Data File : VX008763.D
 Acq On : 09 Apr 2019 11:29
 Operator : JC/SP
 Sample : VX0409WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0409WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/10/2019 4:21:00 PM

Quant Time: Apr 09 14:10:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	30298	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	173930	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	151800	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	74432	29.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.90%
60) 4-Bromofluorobenzene	11.13	95	75204	28.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.77%
63) Toluene-d8	8.71	98	219085	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	38061	18.371	ug/l 99
3) Chloromethane	1.32	50	50420	18.575	ug/l 98
4) Vinyl Chloride	1.40	62	51219	18.720	ug/l 97
5) Bromomethane	1.64	94	25302	17.847	ug/l 98
6) Chloroethane	1.72	64	30189	16.858	ug/l 98
7) Trichlorofluoromethane	1.93	101	59505	19.594	ug/l 98
8) Diethyl Ether	2.19	74	28072	19.601	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38167	20.181	ug/l 93
10) 1,1-Dichloroethene	2.37	96	38758	20.201	ug/l 88
11) Methyl Iodide	2.51	142	35046	17.640	ug/l 96
12) Methyl Acetate	3.20	43	32476	20.884	ug/l 92
13) Acrolein	2.29	56	49517	110.996	ug/l 99
14) Acrylonitrile	3.14	53	162784	113.225	ug/l 100
15) Acetone	2.45	58	47130	106.304	ug/l 94
16) Carbon Disulfide	2.57	76	108875	18.241	ug/l 98
17) Allyl chloride	2.73	41	92066	21.351	ug/l 89
18) Methylene Chloride	2.85	84	47565	20.739	ug/l 89
19) trans-1,2-Dichloroethene	3.17	96	41279	20.138	ug/l 90
20) Diisopropyl ether	3.86	45	179930	21.438	ug/l # 95
21) 1,1-Dichloroethane	3.70	63	88790	21.076	ug/l 96
22) cis-1,2-Dichloroethene	4.59	96	49402	20.856	ug/l # 82
23) tert-Butyl Alcohol	3.05	59	63494	109.368	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	148127	21.007	ug/l 99
25) Chloroform	5.21	83	79905	20.939	ug/l 95
26) Cyclohexane	5.58	56	83890	20.497	ug/l # 83
29) 1,1-Dichloropropene	5.80	75	61532	21.029	ug/l 93
30) 2-Butanone	4.68	43	245727	114.201	ug/l 93
31) 2,2-Dichloropropane	4.58	77	62473	21.377	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	63492	20.895	ug/l # 94
33) Carbon Tetrachloride	5.79	117	52634	20.703	ug/l 97
34) Benzene	6.14	78	189508	21.187	ug/l # 96
35) Methacrylonitrile	5.04	41	50387	23.027	ug/l 87
36) 1,2-Dichloroethane	6.20	62	68332	21.428	ug/l 97
37) Trichloroethene	7.21	130	43265	21.033	ug/l 83
38) Methylcyclohexane	7.46	83	75049	20.354	ug/l 87
39) 1,2-Dichloropropane	7.51	63	54037	21.300	ug/l 97
40) Dibromomethane	7.66	93	30781	20.945	ug/l 90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040919\
 Data File : VX008763.D
 Acq On : 09 Apr 2019 11:29
 Operator : JC/SP
 Sample : VX0409WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0409WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/10/2019 4:21:00 PM

Quant Time: Apr 09 14:10:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

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

41) Bromodichloromethane	7.90	83	59743	20.675	ug/l	98
42) Vinyl Acetate	3.81	43	806240	110.533	ug/l #	93
43) Ethyl Acetate	4.84	43	91512m	23.630	ug/l	
44) Isopropyl Acetate	6.45	43	137808	22.006	ug/l	98
45) 1,4-Dioxane	7.74	88	25972	416.623	ug/l #	84
46) Methyl methacrylate	7.77	41	69149	21.742	ug/l	84
47) n-amyl Acetate	10.90	43	116912	20.553	ug/l	94
48) t-1,3-Dichloropropene	9.04	75	67102	20.559	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	76174	20.865	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	46169	21.158	ug/l	97
51) Ethyl methacrylate	9.18	69	84520	20.814	ug/l	89
52) 1,3-Dichloropropane	9.37	76	82081	21.143	ug/l	100
53) Dibromochloromethane	9.58	129	43682	20.342	ug/l	100
54) 1,2-Dibromoethane	9.67	107	47161	20.965	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	202910	99.046	ug/l	95
56) Bromoform	10.85	173	31432	20.085	ug/l	97
58) 4-Methyl-2-Pentanone	8.64	43	462851	115.576	ug/l #	94
59) 2-Hexanone	9.49	43	358432	113.287	ug/l	96
61) Tetrachloroethene	9.34	164	38225	23.021	ug/l	98
62) Toluene	8.78	91	197072	21.442	ug/l	99
64) Chlorobenzene	10.14	112	112933	20.970	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	40755	21.465	ug/l	98
66) Ethyl Benzene	10.25	91	212183	20.799	ug/l	96
67) m/p-Xylenes	10.36	106	151812	40.800	ug/l	91
68) o-Xylene	10.70	106	74375	20.426	ug/l	92
69) Styrene	10.71	104	128348	20.258	ug/l	96
70) Isopropylbenzene	11.02	105	198623	20.680	ug/l	95
71) 1,1,2,2-Tetrachloroethane	11.27	83	76519	21.326	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	66870m	22.048	ug/l	
73) Bromobenzene	11.26	156	47303	20.700	ug/l	81
74) n-propylbenzene	11.36	91	230374	20.133	ug/l	95
75) 2-Chlorotoluene	11.42	91	137186	20.152	ug/l	90
76) 1,3,5-Trimethylbenzene	11.51	105	166772	20.309	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	24202	20.803	ug/l	97
78) 4-Chlorotoluene	11.51	91	154969	19.780	ug/l	91
79) tert-butylbenzene	12.06	119	169656	20.217	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	167935	20.511	ug/l	95
81) sec-Butylbenzene	11.94	105	188114	20.050	ug/l	97
82) p-Isopropyltoluene	12.06	119	169656	20.217	ug/l	96
83) 1,3-Dichlorobenzene	12.02	146	82453	20.324	ug/l	96
84) 1,4-Dichlorobenzene	12.10	146	80827	19.937	ug/l	95
85) n-Butylbenzene	12.39	91	157484	19.751	ug/l	97
86) Hexachloroethane	12.60	117	28256	20.152	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	82980	20.300	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16635	20.917	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.65	180	56858	20.165	ug/l	99
90) Hexachlorobutadiene	13.78	225	28707	21.133	ug/l	98
91) Naphthalene	13.83	128	193409	20.020	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	56763	19.985	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040919\
Data File : VX008763.D
Acq On : 09 Apr 2019 11:29
Operator : JC/SP
Sample : VX0409WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0409WBS01

Manual Integrations
APPROVED

MMDadoda
4/10/2019 4:21:00 PM

Quant Time: Apr 09 14:10:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
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\VX040919\
 Data File : VX008763.D
 Acq On : 09 Apr 2019 11:29
 Operator : JC/SP
 Sample : VX0409WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0409WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/10/2019 4:21:00 PM

Quant Time: Apr 09 14:10:28 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

