

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004919.D
 Acq On : 02 Oct 2018 15:12
 Operator : JC/MD
 Sample : VX1002WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 4:23:28 PM

Quant Time: Oct 03 08:22:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:49:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	53304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	291316	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	269300	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	116847	28.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.17%
60) 4-Bromofluorobenzene	11.14	95	131696	29.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.07%
63) Toluene-d8	8.71	98	365913	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	86198	20.770 ug/l	98
3) Chloromethane	1.32	50	89122	20.698 ug/l	98
4) Vinyl Chloride	1.40	62	86660	19.687 ug/l	98
5) Bromomethane	1.64	94	45126	21.364 ug/l	98
6) Chloroethane	1.72	64	49513	19.592 ug/l	100
7) Trichlorofluoromethane	1.93	101	111375	19.863 ug/l	100
8) Diethyl Ether	2.18	74	43513	19.036 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64261	19.956 ug/l	99
10) 1,1-Dichloroethene	2.37	96	58319	19.120 ug/l	96
11) Methyl Iodide	2.51	142	38806	20.957 ug/l	99
12) Methyl Acetate	2.78	43	120833	19.646 ug/l	96
13) Acrolein	2.29	56	46378	81.614 ug/l	97
14) Acrylonitrile	3.15	53	237969	94.679 ug/l	100
15) Acetone	2.44	58	74246	88.370 ug/l	95
16) Carbon Disulfide	2.57	76	172747	19.310 ug/l	99
17) Allyl chloride	2.73	41	131558	19.397 ug/l	99
18) Methylene Chloride	2.85	84	69386	19.561 ug/l	98
19) trans-1,2-Dichloroethene	3.16	96	62947	19.317 ug/l	95
20) Diisopropyl ether	3.87	45	232801	20.131 ug/l	97
21) 1,1-Dichloroethane	3.70	63	126894	19.915 ug/l	98
22) cis-1,2-Dichloroethene	4.59	96	68233	18.929 ug/l	100
23) tert-Butyl Alcohol	3.06	59	113229	97.602 ug/l	# 100
24) Methyl tert-Butyl Ether	3.20	73	212864	18.991 ug/l	100
25) Chloroform	5.21	83	115403	19.244 ug/l	97
26) Cyclohexane	5.57	56	105546	19.302 ug/l	# 97
29) 1,1-Dichloropropene	5.80	75	85618	19.861 ug/l	99
30) 2-Butanone	4.70	43	334494	95.438 ug/l	99
31) 2,2-Dichloropropane	4.58	77	94896	20.064 ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	98270	19.831 ug/l	99
33) Carbon Tetrachloride	5.78	117	83969	19.294 ug/l	99
34) Benzene	6.14	78	256037	19.572 ug/l	97
35) Methacrylonitrile	5.06	41	63612	19.530 ug/l	99
36) 1,2-Dichloroethane	6.20	62	92838	19.700 ug/l	100
37) Trichloroethene	7.21	130	69152	20.069 ug/l	96
38) Methylcyclohexane	7.46	83	100566	19.649 ug/l	99
39) 1,2-Dichloropropane	7.51	63	68717	19.715 ug/l	97
40) Dibromomethane	7.66	93	43980	19.468 ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004919.D
 Acq On : 02 Oct 2018 15:12
 Operator : JC/MD
 Sample : VX1002WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1002WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 4:23:28 PM

Quant Time: Oct 03 08:22:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:49:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	83857	19.255	ug/l	100
42) Vinyl Acetate	3.82	43	1069418	105.467	ug/l	100
43) Ethyl Acetate	4.85	43	110617	19.133	ug/l	99
44) Isopropyl Acetate	6.46	43	163933	19.001	ug/l	99
45) 1,4-Dioxane	7.75	88	40620	399.616	ug/l	98
46) Methyl methacrylate	7.77	41	86242	19.266	ug/l	96
47) n-amyl Acetate	10.90	43	143103	17.978	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	93232	18.712	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	104428	19.337	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	67917	19.857	ug/l	99
51) Ethyl methacrylate	9.18	69	101920	18.777	ug/l	98
52) 1,3-Dichloropropane	9.37	76	111487	19.321	ug/l	99
53) Dibromochloromethane	9.59	129	67411	18.997	ug/l	99
54) 1,2-Dibromoethane	9.67	107	68506	19.220	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	273064	95.337	ug/l	99
56) Bromoform	10.86	173	54007	18.225	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	591662	97.851	ug/l	98
59) 2-Hexanone	9.49	43	474871	95.323	ug/l	99
61) Tetrachloroethene	9.34	164	66634	20.332	ug/l	99
62) Toluene	8.79	91	284141	20.076	ug/l	98
64) Chlorobenzene	10.14	112	179884	19.681	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	63923	19.239	ug/l	99
66) Ethyl Benzene	10.25	91	300760	19.465	ug/l	99
67) m/p-Xylenes	10.36	106	237858	39.537	ug/l	98
68) o-Xylene	10.70	106	113881	19.637	ug/l	98
69) Styrene	10.71	104	189788	19.462	ug/l	100
70) Isopropylbenzene	11.02	105	308518	19.867	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	108392	18.793	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	101319m	19.282	ug/l	
73) Bromobenzene	11.26	156	81407	19.071	ug/l	98
74) n-propylbenzene	11.36	91	362695	19.850	ug/l	99
75) 2-Chlorotoluene	11.42	91	219786	19.723	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	264914	19.772	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	30032	17.383	ug/l	99
78) 4-Chlorotoluene	11.51	91	253202	19.549	ug/l	100
79) tert-butylbenzene	12.07	119	280385	19.718	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	270915	19.827	ug/l	99
81) sec-Butylbenzene	11.94	105	315905	19.974	ug/l	100
82) p-Isopropyltoluene	12.07	119	280385	19.718	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	152964	19.378	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	156052	19.481	ug/l	100
85) n-Butylbenzene	12.39	91	251171	19.448	ug/l	100
86) Hexachloroethane	12.60	117	42798	18.272	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	153698	19.155	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	25048	18.793	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	115058	19.222	ug/l	100
90) Hexachlorobutadiene	13.79	225	59961	20.291	ug/l	99
91) Naphthalene	13.83	128	353709	19.004	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	116462	18.975	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
Data File : VX004919.D
Acq On : 02 Oct 2018 15:12
Operator : JC/MD
Sample : VX1002WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Manual Integrations
APPROVED

MMDadoda
10/3/2018 4:23:28 PM

Quant Time: Oct 03 08:22:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 03 04:49:12 2018
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:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004919.D
 Acq On : 02 Oct 2018 15:12
 Operator : JC/MD
 Sample : VX1002WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 Client Sample ID :
 VX1002WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 4:23:28 PM

Quant Time: Oct 03 08:22:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:49:12 2018
 Response via : Initial Calibration

