

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060818\
 Data File : VX002396.D
 Acq On : 08 Jun 2018 12:28
 Operator : JC/MD
 Sample : VX0608WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0608WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 9:30:18 AM

Quant Time: Jun 08 13:15:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	40626	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	237005	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	224630	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	101584	31.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.93%
60) 4-Bromofluorobenzene	11.14	95	113556	29.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.43%
63) Toluene-d8	8.72	98	278927	27.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.87%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45919	21.29	ug/l	100
3) Chloromethane	1.32	50	52776	20.57	ug/l	99
4) Vinyl Chloride	1.41	62	56891	22.29	ug/l	99
5) Bromomethane	1.64	94	33545	23.46	ug/l	99
6) Chloroethane	1.73	64	40209	26.63	ug/l	99
7) Trichlorofluoromethane	1.93	101	97320	25.00	ug/l	97
8) Diethyl Ether	2.19	74	37978	25.92	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57425	27.39	ug/l	98
10) 1,1-Dichloroethene	2.38	96	48447	23.97	ug/l	98
11) Methyl Iodide	2.51	142	48663	15.32	ug/l	100
12) Methyl Acetate	2.78	43	75584	23.07	ug/l	99
13) Acrolein	2.29	56	24699	88.55	ug/l	99
14) Acrylonitrile	3.15	53	156222	115.90	ug/l	99
15) Acetone	2.45	58	45295	126.06	ug/l	93
16) Carbon Disulfide	2.57	76	109761	19.02	ug/l	100
17) Allyl chloride	2.73	41	98591	23.63	ug/l	92
18) Methylene Chloride	2.86	84	58562	25.78	ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	51935	24.30	ug/l	97
20) Diisopropyl ether	3.87	45	179616	22.55	ug/l	93
21) 1,1-Dichloroethane	3.70	63	104067	24.54	ug/l	98
22) cis-1,2-Dichloroethene	4.60	96	53065	20.83	ug/l #	80
23) tert-Butyl Alcohol	3.06	59	75862	108.51	ug/l	100
24) Methyl tert-Butyl Ether	3.20	73	194479	24.65	ug/l	100
25) Chloroform	5.22	83	94443	21.18	ug/l	99
26) Cyclohexane	5.57	56	79697	20.42	ug/l #	96
29) 1,1-Dichloropropene	5.81	75	65943	19.89	ug/l	99
30) 2-Butanone	4.71	43	203798	88.11	ug/l	99
31) 2,2-Dichloropropane	4.59	77	69421	23.82	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	79798	18.43	ug/l	99
33) Carbon Tetrachloride	5.79	117	67600	17.18	ug/l	97
34) Benzene	6.15	78	200618	20.04	ug/l	99
35) Methacrylonitrile	5.06	41	45313	17.69	ug/l	97
36) 1,2-Dichloroethane	6.20	62	82317	21.10	ug/l	99
37) Trichloroethene	7.22	130	56546	19.91	ug/l	89
38) Methylcyclohexane	7.46	83	83396	21.56	ug/l	99
39) 1,2-Dichloropropane	7.52	63	54320	20.06	ug/l	93
40) Dibromomethane	7.67	93	37280	20.52	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060818\
 Data File : VX002396.D
 Acq On : 08 Jun 2018 12:28
 Operator : JC/MD
 Sample : VX0608WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0608WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2018 9:30:18 AM

Quant Time: Jun 08 13:15:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	65409	17.36	ug/l	98
42) Vinyl Acetate	3.82	43	849831	116.14	ug/l	100
43) Ethyl Acetate	4.86	43	78364	17.26	ug/l	98
44) Isopropyl Acetate	6.47	43	130555	17.29	ug/l	100
45) 1,4-Dioxane	7.76	88	26508	369.10	ug/l #	86
46) Methyl methacrylate	7.78	41	65891	17.24	ug/l	96
47) n-amyl Acetate	10.90	43	119203	17.16	ug/l #	90
48) t-1,3-Dichloropropene	8.44	75	77023	18.19	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	70829	17.28	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	55436	21.26	ug/l	98
51) Ethyl methacrylate	9.18	69	84145	18.63	ug/l	95
52) 1,3-Dichloropropane	9.38	76	91167	20.73	ug/l	99
53) Dibromochloromethane	9.59	129	51134	16.05	ug/l	98
54) 1,2-Dibromoethane	9.68	107	57326	20.31	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	199536	94.11	ug/l	99
56) Bromoform	10.86	173	37485	13.38	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	420463	86.01	ug/l	99
59) 2-Hexanone	9.50	43	319723	84.29	ug/l	100
61) Tetrachloroethene	9.34	164	63713	18.60	ug/l	93
62) Toluene	8.79	91	229052	19.97	ug/l	98
64) Chlorobenzene	10.14	112	150940	20.33	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.23	131	53419	17.68	ug/l	99
66) Ethyl Benzene	10.26	91	256239	19.87	ug/l	99
67) m/p-Xylenes	10.36	106	200463	40.96	ug/l	98
68) o-Xylene	10.70	106	98716	20.14	ug/l	98
69) Styrene	10.71	104	159473	19.38	ug/l	100
70) Isopropylbenzene	11.02	105	268827	20.49	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	80663	19.61	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	79457m	20.51	ug/l	
73) Bromobenzene	11.26	156	71450	20.27	ug/l	96
74) n-propylbenzene	11.37	91	304512	20.79	ug/l	99
75) 2-Chlorotoluene	11.43	91	180664	20.00	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	227143	20.36	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	18985	13.53	ug/l	79
78) 4-Chlorotoluene	11.51	91	209378	20.38	ug/l	100
79) tert-butylbenzene	12.07	119	245423	20.98	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	231610	20.53	ug/l	99
81) sec-Butylbenzene	11.95	105	275849	21.09	ug/l	99
82) p-Isopropyltoluene	12.07	119	245423	20.98	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	130061	20.82	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	132230	21.27	ug/l	99
85) n-Butylbenzene	12.39	91	211840	21.59	ug/l	98
86) Hexachloroethane	12.60	117	33558	14.41	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	133580	20.76	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	16157	13.49	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	96652	21.15	ug/l	100
90) Hexachlorobutadiene	13.79	225	51437	21.16	ug/l	98
91) Naphthalene	13.84	128	273159	18.95	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	100163	20.99	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060818\
Data File : VX002396.D
Acq On : 08 Jun 2018 12:28
Operator : JC/MD
Sample : VX0608WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0608WBSD01

Manual Integrations
APPROVED

MMDadoda
6/11/2018 9:30:18 AM

Quant Time: Jun 08 13:15:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration

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

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

