

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022820\
 Data File : VX015054.D
 Acq On : 28 Feb 2020 11:26
 Operator : JC/SP
 Sample : VX0228WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0228WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:32:23 AM

Quant Time: Feb 29 00:04:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	67551	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	365661	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	344005	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	142219	30.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.93%
60) 4-Bromofluorobenzene	11.13	95	159824	29.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.43%
63) Toluene-d8	8.71	98	442578	29.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	55181	18.293	ug/l 97
3) Chloromethane	1.32	50	80303	20.588	ug/l 98
4) Vinyl Chloride	1.40	62	82736	19.709	ug/l 100
5) Bromomethane	1.64	94	55670	18.937	ug/l 96
6) Chloroethane	1.72	64	55963	19.902	ug/l 98
7) Trichlorofluoromethane	1.93	101	108634	17.781	ug/l 94
8) Diethyl Ether	2.18	74	49099	19.104	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67845	19.207	ug/l 99
10) 1,1-Dichloroethene	2.37	96	65448	18.431	ug/l 98
11) Methyl Iodide	2.50	142	70056	16.236	ug/l 98
12) Methyl Acetate	2.76	43	97154	21.986	ug/l 96
13) Acrolein	2.28	56	80093	91.136	ug/l 99
14) Acrylonitrile	3.12	53	214696	107.584	ug/l 99
15) Acetone	2.43	58	62136	87.004	ug/l 95
16) Carbon Disulfide	2.56	76	174523	18.279	ug/l 99
17) Allyl chloride	2.72	41	125699	20.349	ug/l 95
18) Methylene Chloride	2.85	84	79321	19.387	ug/l 98
19) trans-1,2-Dichloroethene	3.15	96	75090	19.252	ug/l 96
20) Diisopropyl ether	3.84	45	259563	20.575	ug/l 96
21) 1,1-Dichloroethane	3.69	63	133661	19.328	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	86084	19.287	ug/l 97
23) tert-Butyl Alcohol	3.01	59	81241	102.698	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	229829	19.453	ug/l 97
25) Chloroform	5.19	83	133878	19.197	ug/l 97
26) Cyclohexane	5.57	56	122724	19.856	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	102906	19.897	ug/l 99
30) 2-Butanone	4.65	43	302479	101.322	ug/l 99
31) 2,2-Dichloropropane	4.57	77	102429	18.036	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	110277	18.775	ug/l 99
33) Carbon Tetrachloride	5.78	117	96516	18.772	ug/l 97
34) Benzene	6.13	78	330086	21.151	ug/l 99
35) Methacrylonitrile	5.02	41	67937	22.309	ug/l 97
36) 1,2-Dichloroethane	6.18	62	116291	21.051	ug/l 96
37) Trichloroethene	7.20	130	88849	20.277	ug/l 96
38) Methylcyclohexane	7.45	83	125269	19.540	ug/l 98
39) 1,2-Dichloropropane	7.51	63	85604	21.310	ug/l 97
40) Dibromomethane	7.65	93	56313	20.993	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022820\
 Data File : VX015054.D
 Acq On : 28 Feb 2020 11:26
 Operator : JC/SP
 Sample : VX0228WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0228WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 11:32:23 AM

Quant Time: Feb 29 00:04:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	109044	20.579	ug/l	99
42) Vinyl Acetate	3.80	43	1101213	104.800	ug/l	99
43) Ethyl Acetate	4.81	43	115251	21.336	ug/l	96
44) Isopropyl Acetate	6.43	43	195480	21.527	ug/l	99
45) 1,4-Dioxane	7.73	88	38243	455.789	ug/l	97
46) Methyl methacrylate	7.76	41	96269	21.430	ug/l	98
47) n-amyl Acetate	10.89	43	161328	20.508	ug/l	97
48) t-1,3-Dichloropropene	9.03	75	119600	20.344	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	135090	20.872	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	85406	21.371	ug/l	97
51) Ethyl methacrylate	9.17	69	129223	20.950	ug/l	98
52) 1,3-Dichloropropane	9.36	76	144820	21.421	ug/l	100
53) Dibromochloromethane	9.57	129	88733	20.536	ug/l	98
54) 1,2-Dibromoethane	9.67	107	91270	21.511	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	339280	103.260	ug/l	98
56) Bromoform	10.85	173	68314	20.169	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	621136	110.173	ug/l	99
59) 2-Hexanone	9.48	43	468951	106.458	ug/l	99
61) Tetrachloroethene	9.33	164	91683	19.843	ug/l	99
62) Toluene	8.78	91	353334	20.053	ug/l	100
64) Chlorobenzene	10.13	112	225531	20.053	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	84280	20.231	ug/l	98
66) Ethyl Benzene	10.25	91	388605	20.021	ug/l	99
67) m/p-Xylenes	10.35	106	299844	40.061	ug/l	98
68) o-Xylene	10.69	106	142714	19.706	ug/l	100
69) Styrene	10.71	104	246215	19.906	ug/l	99
70) Isopropylbenzene	11.01	105	380092	19.759	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	130474	21.066	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	111309m	21.666	ug/l	
73) Bromobenzene	11.25	156	103007	19.817	ug/l	97
74) n-propylbenzene	11.35	91	451700	20.631	ug/l	99
75) 2-Chlorotoluene	11.42	91	262153	20.262	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	320582	19.885	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	40207	19.408	ug/l	98
78) 4-Chlorotoluene	11.51	91	303011	20.246	ug/l	100
79) tert-butylbenzene	11.76	119	305358	19.605	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	320318	19.985	ug/l	100
81) sec-Butylbenzene	11.94	105	377044	20.214	ug/l	100
82) p-Isopropyltoluene	12.06	119	344217	19.864	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	182886	20.071	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	186796	20.358	ug/l	100
85) n-Butylbenzene	12.39	91	294415	19.524	ug/l	99
86) Hexachloroethane	12.59	117	58269	18.603	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	183466	20.234	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27604	20.464	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	125445	19.239	ug/l	99
90) Hexachlorobutadiene	13.78	225	62691	19.360	ug/l	99
91) Naphthalene	13.83	128	369185	19.999	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	130109	20.098	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022820\
Data File : VX015054.D
Acq On : 28 Feb 2020 11:26
Operator : JC/SP
Sample : VX0228WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0228WBSD01

Manual Integrations
APPROVED

MMDadoda
3/2/2020 11:32:23 AM

Quant Time: Feb 29 00:04:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 00:37:56 2020
Response via : Initial Calibration

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

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

