

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020320\
 Data File : VX014794.D
 Acq On : 03 Feb 2020 14:17
 Operator : JC/SP
 Sample : VX0203WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0203WBSD02

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 3:32:22 PM

Quant Time: Feb 03 16:40:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	66725	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	358876	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	329836	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	147888	31.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.10%
60) 4-Bromofluorobenzene	11.13	95	157785	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	8.71	98	446162	29.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	94366	20.464	ug/l 98
3) Chloromethane	1.32	50	97450	19.302	ug/l 97
4) Vinyl Chloride	1.40	62	109420	19.302	ug/l 100
5) Bromomethane	1.64	94	66746	18.869	ug/l 98
6) Chloroethane	1.72	64	61485	19.240	ug/l 99
7) Trichlorofluoromethane	1.92	101	127175	20.261	ug/l 99
8) Diethyl Ether	2.18	74	57591	21.006	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76371	20.797	ug/l 98
10) 1,1-Dichloroethene	2.37	96	73207	19.819	ug/l 99
11) Methyl Iodide	2.50	142	102181	20.627	ug/l 97
12) Methyl Acetate	2.76	43	145888	21.863	ug/l 97
13) Acrolein	2.28	56	64278	91.710	ug/l 99
14) Acrylonitrile	3.12	53	228383	100.028	ug/l 100
15) Acetone	2.43	58	75988	99.274	ug/l 81
16) Carbon Disulfide	2.56	76	190335	18.762	ug/l 99
17) Allyl chloride	2.72	41	131206	19.193	ug/l 92
18) Methylene Chloride	2.84	84	89199	20.634	ug/l 99
19) trans-1,2-Dichloroethene	3.15	96	79807	20.071	ug/l 97
20) Diisopropyl ether	3.84	45	278771	20.611	ug/l 95
21) 1,1-Dichloroethane	3.69	63	147721	20.105	ug/l 97
22) cis-1,2-Dichloroethene	4.58	96	90970	19.909	ug/l 97
23) tert-Butyl Alcohol	3.02	59	99089	104.940	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	255644	20.796	ug/l 97
25) Chloroform	5.19	83	143920	20.220	ug/l 96
26) Cyclohexane	5.57	56	129556	19.116	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	104579	19.870	ug/l 99
30) 2-Butanone	4.65	43	344126	103.216	ug/l 100
31) 2,2-Dichloropropane	4.57	77	117891	20.934	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	121998	20.952	ug/l 98
33) Carbon Tetrachloride	5.78	117	102782	20.561	ug/l 98
34) Benzene	6.13	78	332914	20.470	ug/l 99
35) Methacrylonitrile	5.03	41	64743	19.443	ug/l 94
36) 1,2-Dichloroethane	6.18	62	118969	21.020	ug/l 99
37) Trichloroethene	7.20	130	91833	20.622	ug/l 95
38) Methylcyclohexane	7.45	83	131019	19.993	ug/l 99
39) 1,2-Dichloropropane	7.50	63	85745	20.275	ug/l 98
40) Dibromomethane	7.65	93	58582	21.554	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020320\
 Data File : VX014794.D
 Acq On : 03 Feb 2020 14:17
 Operator : JC/SP
 Sample : VX0203WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0203WBSD02

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 3:32:22 PM

Quant Time: Feb 03 16:40:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	110090	20.684	ug/l	98
42) Vinyl Acetate	3.80	43	1046802	101.867	ug/l	99
43) Ethyl Acetate	4.81	43	126399	20.943	ug/l	97
44) Isopropyl Acetate	6.43	43	199891	20.530	ug/l	99
45) 1,4-Dioxane	7.73	88	40886	419.803	ug/l	99
46) Methyl methacrylate	7.76	41	97789	20.424	ug/l	95
47) n-amyl Acetate	10.89	43	166759	20.441	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	121289	20.872	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	134760	20.581	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	86055	20.807	ug/l	97
51) Ethyl methacrylate	9.17	69	130936	20.333	ug/l	99
52) 1,3-Dichloropropane	9.36	76	147491	21.048	ug/l	99
53) Dibromochloromethane	9.57	129	88243	20.860	ug/l	99
54) 1,2-Dibromoethane	9.67	107	92363	21.533	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	287012	96.980	ug/l	100
56) Bromoform	10.85	173	67858	20.825	ug/l	98
58) 4-Methyl-2-Pentanone	8.63	43	643161	103.546	ug/l	99
59) 2-Hexanone	9.48	43	496089	103.271	ug/l	100
61) Tetrachloroethene	9.33	164	110942	22.757	ug/l	96
62) Toluene	8.78	91	356358	20.364	ug/l	99
64) Chlorobenzene	10.13	112	227038	20.783	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	83812	20.773	ug/l	98
66) Ethyl Benzene	10.25	91	388055	20.359	ug/l	97
67) m/p-Xylenes	10.35	106	296306	40.584	ug/l	100
68) o-Xylene	10.70	106	141503	19.903	ug/l	99
69) Styrene	10.71	104	245207	20.356	ug/l	99
70) Isopropylbenzene	11.01	105	381536	20.485	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	126586	20.177	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	111833m	20.839	ug/l	
73) Bromobenzene	11.25	156	100420	20.339	ug/l	98
74) n-propylbenzene	11.35	91	436094	20.490	ug/l	99
75) 2-Chlorotoluene	11.42	91	260400	20.415	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	316500	20.393	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	41057	19.878	ug/l	94
78) 4-Chlorotoluene	11.51	91	292702	20.206	ug/l	98
79) tert-butylbenzene	11.76	119	288407	19.860	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	318742	20.591	ug/l	100
81) sec-Butylbenzene	11.94	105	366796	20.412	ug/l	98
82) p-Isopropyltoluene	12.06	119	335646	20.461	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	176044	20.421	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	176483	20.649	ug/l	100
85) n-Butylbenzene	12.38	91	279212	19.453	ug/l	100
86) Hexachloroethane	12.59	117	58603	19.921	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	177653	20.423	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	27381	20.431	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	115320	20.085	ug/l	98
90) Hexachlorobutadiene	13.77	225	60511	21.092	ug/l	97
91) Naphthalene	13.83	128	348650	20.117	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	121715	20.827	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020320\
Data File : VX014794.D
Acq On : 03 Feb 2020 14:17
Operator : JC/SP
Sample : VX0203WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0203WBSD02

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:22 PM

Quant Time: Feb 03 16:40:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
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\VX020320\
Data File : VX014794.D
Acq On : 03 Feb 2020 14:17
Operator : JC/SP
Sample : VX0203WBSD02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0203WBSD02

Manual Integrations
APPROVED

MMDadoda
2/4/2020 3:32:22 PM

Quant Time: Feb 03 16:40:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration

