

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030420\  
 Data File : VX015087.D  
 Acq On : 04 Mar 2020 15:01  
 Operator : JC/SP  
 Sample : VX0304WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_X  
**Client Sampled :**  
 VX0304WBS01

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 3/5/2020 3:53:48 PM

Quant Time: Mar 05 07:53:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	399010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	598204	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	554769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	280477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	230946	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	5.48	113	188784	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	8.71	98	726030	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	255773	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	67259	19.250	ug/l	100
3) Chloromethane	1.32	50	93868	18.966	ug/l	99
4) Vinyl Chloride	1.40	62	95653	19.060	ug/l	98
5) Bromomethane	1.64	94	61600	19.965	ug/l	95
6) Chloroethane	1.72	64	59566	19.786	ug/l	98
7) Trichlorofluoromethane	1.92	101	115103	19.275	ug/l	99
8) Diethyl Ether	2.18	74	53479	19.772	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72853	19.391	ug/l	98
10) Methyl Iodide	2.50	142	69134	16.287	ug/l	99
11) Tert butyl alcohol	3.03	59	80822	98.407	ug/l	96
12) 1,1-Dichloroethene	2.36	96	75668	19.515	ug/l	99
13) Acrolein	2.28	56	65266	84.560	ug/l	99
14) Allyl chloride	2.72	41	125140	18.509	ug/l	97
15) Acrylonitrile	3.13	53	198827	97.208	ug/l	99
16) Acetone	2.44	43	175297	91.440	ug/l	98
17) Carbon Disulfide	2.56	76	200076	18.580	ug/l	99
18) Methyl Acetate	2.76	43	87000	18.560	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	238992	19.724	ug/l	100
20) Methylene Chloride	2.84	84	81470	18.159	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	79370	19.170	ug/l	99
22) Diisopropyl ether	3.84	45	260618	19.348	ug/l	96
23) Vinyl Acetate	3.80	43	1107846	100.053	ug/l	99
24) 1,1-Dichloroethane	3.69	63	141277	18.897	ug/l	99
25) 2-Butanone	4.66	43	274133	97.675	ug/l	97
26) 2,2-Dichloropropane	4.58	77	109819	18.504	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	87463	18.830	ug/l	98
28) Bromochloromethane	5.00	49	68132	20.014	ug/l	97
29) Tetrahydrofuran	5.11	42	177704	98.224	ug/l	98
30) Chloroform	5.20	83	140775	19.320	ug/l	97
31) Cyclohexane	5.57	56	129462	19.414	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	117095	19.386	ug/l	99
36) 1,1-Dichloropropene	5.79	75	107719	19.479	ug/l	99
37) Ethyl Acetate	4.82	43	106371	20.736	ug/l	97
38) Carbon Tetrachloride	5.77	117	101245	19.396	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030420\  
 Data File : VX015087.D  
 Acq On : 04 Mar 2020 15:01  
 Operator : JC/SP  
 Sample : VX0304WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_X  
**Client Sampled :**  
 VX0304WBS01

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 3/5/2020 3:53:48 PM

Quant Time: Mar 05 07:53:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	127933	19.812	ug/l	99
40) Benzene	6.13	78	321753	19.610	ug/l	98
41) Methacrylonitrile	5.03	41	59225	19.221	ug/l	99
42) 1,2-Dichloroethane	6.18	62	117476	20.850	ug/l	98
43) Isopropyl Acetate	6.43	43	180587	20.011	ug/l	100
44) Trichloroethene	7.20	130	87382	19.124	ug/l	93
45) 1,2-Dichloropropane	7.51	63	82985	19.540	ug/l	100
46) Dibromomethane	7.65	93	53800	19.442	ug/l	98
47) Bromodichloromethane	7.89	83	108219	19.776	ug/l	99
48) Methyl methacrylate	7.76	41	88459	19.259	ug/l	99
49) 1,4-Dioxane	7.74	88	40533	408.160	ug/l	97
51) 4-Methyl-2-Pentanone	8.63	43	547976	102.700	ug/l	100
52) Toluene	8.78	92	200960	20.032	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	116521	20.006	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	128824	19.564	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	81010	19.619	ug/l	97
56) Ethyl methacrylate	9.17	69	119759	20.334	ug/l	100
57) 1,3-Dichloropropane	9.36	76	139060	20.018	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	314234	97.937	ug/l	100
59) 2-Hexanone	9.48	43	406461	102.778	ug/l	99
60) Dibromochloromethane	9.57	129	85846	19.792	ug/l	99
61) 1,2-Dibromoethane	9.67	107	84508	19.485	ug/l	97
64) Tetrachloroethene	9.33	164	89196	19.446	ug/l	98
65) Chlorobenzene	10.13	112	217690	19.545	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	78662	18.730	ug/l	98
67) Ethyl Benzene	10.25	91	379974	20.091	ug/l	100
68) m/p-Xylenes	10.35	106	290485	40.369	ug/l	100
69) o-Xylene	10.70	106	139117	20.193	ug/l	99
70) Styrene	10.71	104	233457	19.763	ug/l	100
71) Bromoform	10.85	173	62797	19.282	ug/l #	98
73) Isopropylbenzene	11.01	105	375472	20.956	ug/l	99
74) N-amyl acetate	10.89	43	149938	19.857	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	117470	19.673	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	112179m	20.051	ug/l	
77) Bromobenzene	11.25	156	96144	19.255	ug/l	98
78) n-propylbenzene	11.35	91	421981	20.615	ug/l	100
79) 2-Chlorotoluene	11.42	91	250332	20.478	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	307355	20.607	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	36844	18.690	ug/l	95
82) 4-Chlorotoluene	11.51	91	291160	20.160	ug/l	100
83) tert-Butylbenzene	11.76	119	297689	20.641	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	314166	20.967	ug/l	100
85) sec-Butylbenzene	11.94	105	361875	20.786	ug/l	99
86) p-Isopropyltoluene	12.06	119	329860	20.565	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	174501	19.880	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	171429	18.916	ug/l	99
89) n-Butylbenzene	12.39	91	285369	20.003	ug/l	100
90) Hexachloroethane	12.59	117	59224	19.530	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	169054	19.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	24134	20.184	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030420\  
 Data File : VX015087.D  
 Acq On : 04 Mar 2020 15:01  
 Operator : JC/SP  
 Sample : VX0304WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0304WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 3/5/2020 3:53:48 PM

Quant Time: Mar 05 07:53:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	119517	19.729	ug/l	98
94) Hexachlorobutadiene	13.77	225	58549	18.835	ug/l	96
95) Naphthalene	13.83	128	342851	19.363	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	120668	19.965	ug/l	100

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030420\  
 Data File : VX015087.D  
 Acq On : 04 Mar 2020 15:01  
 Operator : JC/SP  
 Sample : VX0304WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 Client Sampled :  
 VX0304WBS01

Manual Integrations  
 APPROVED  
 MMDadoda  
 3/5/2020 3:53:48 PM

Quant Time: Mar 05 07:53:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

