

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005179.D
 Acq On : 10 Oct 2018 00:17
 Operator : JC/MD
 Sample : J5303-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 2:08:11 PM

Quant Time: Oct 10 08:08:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	176610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266684	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	253213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151973	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	138957	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
35) Dibromofluoromethane	5.50	113	107123	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	8.72	98	384842	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.14	95	142128	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	104077	43.221	ug/l	99
3) Chloromethane	1.32	50	131550	45.028	ug/l	99
4) Vinyl Chloride	1.40	62	132098	48.209	ug/l	98
5) Bromomethane	1.64	94	102922	63.342	ug/l	93
6) Chloroethane	1.71	64	80893	54.375	ug/l	94
7) Trichlorofluoromethane	1.92	101	170543	50.275	ug/l	93
8) Diethyl Ether	2.19	74	74302	50.419	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	82083	42.479	ug/l	100
10) Methyl Iodide	2.51	142	118126	45.684	ug/l	91
11) Tert butyl alcohol	3.08	59	205789	291.726	ug/l	99
12) 1,1-Dichloroethene	2.37	96	92885	48.539	ug/l	94
13) Acrolein	2.29	56	36561	72.845	ug/l	89
14) Allyl chloride	2.72	41	195573	46.840	ug/l	96
15) Acrylonitrile	3.15	53	433229	278.981	ug/l	97
16) Acetone	2.45	43	405554	275.343	ug/l	94
17) Carbon Disulfide	2.56	76	229264	39.870	ug/l	99
18) Methyl Acetate	2.78	43	198379	53.160	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	374661	56.760	ug/l	97
20) Methylene Chloride	2.85	84	114801	53.668	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	97217	46.408	ug/l	83
22) Diisopropyl ether	3.87	45	367165	52.221	ug/l	95
23) Vinyl Acetate	3.82	43	1191514	185.137	ug/l	98
24) 1,1-Dichloroethane	3.69	63	216496	51.620	ug/l	99
25) 2-Butanone	4.71	43	567100	261.203	ug/l	98
26) 2,2-Dichloropropane	4.58	77	44541	15.251	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	109482	46.784	ug/l	96
28) Bromochloromethane	5.02	49	101687	51.486	ug/l	99
29) Tetrahydrofuran	5.16	42	365728	271.026	ug/l	98
30) Chloroform	5.21	83	195571	49.339	ug/l	99
31) Cyclohexane	5.57	56	127718	39.787	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	162328	50.145	ug/l	95
36) 1,1-Dichloropropene	5.80	75	132145	42.852	ug/l	94
37) Ethyl Acetate	4.86	43	152604	37.281	ug/l	98
38) Carbon Tetrachloride	5.78	117	138453	42.712	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100918\
 Data File : VX005179.D
 Acq On : 10 Oct 2018 00:17
 Operator : JC/MD
 Sample : J5303-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-1014MSD

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 2:08:11 PM

Quant Time: Oct 10 08:08:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105199	33.409	ug/l #	83
40) Benzene	6.14	78	440839	45.663	ug/l	94
41) Methacrylonitrile	5.06	41	110924	48.864	ug/l	97
42) 1,2-Dichloroethane	6.20	62	157994	46.294	ug/l	98
43) Isopropyl Acetate	6.46	43	247294	41.857	ug/l	97
44) Trichloroethene	7.21	130	108995	45.925	ug/l	94
45) 1,2-Dichloropropane	7.52	63	117193	49.500	ug/l	99
46) Dibromomethane	7.66	93	76118	51.158	ug/l	100
47) Bromodichloromethane	7.90	83	147844	53.072	ug/l	98
48) Methyl methacrylate	7.78	41	152876	57.009	ug/l	100
49) 1,4-Dioxane	7.75	88	74919	1124.544	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1062905	285.725	ug/l	99
52) Toluene	8.79	92	255811	48.222	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	133526	42.416	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	141399	42.884	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	116845	50.284	ug/l	96
56) Ethyl methacrylate	9.18	69	177320	47.196	ug/l	98
57) 1,3-Dichloropropane	9.37	76	192451	49.763	ug/l	99
59) 2-Hexanone	9.50	43	850301	274.294	ug/l	95
60) Dibromochloromethane	9.59	129	120841	52.000	ug/l	100
61) 1,2-Dibromoethane	9.68	107	117011	47.020	ug/l	95
64) Tetrachloroethene	9.34	164	98327	39.454	ug/l	95
65) Chlorobenzene	10.14	112	290608	44.756	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	111386	48.796	ug/l	100
67) Ethyl Benzene	10.25	91	470550	45.646	ug/l	95
68) m/p-Xylenes	10.36	106	365590	90.755	ug/l	95
69) o-Xylene	10.70	106	181488	49.051	ug/l	99
70) Stvrene	10.71	104	310857	45.138	ug/l	100
71) Bromoform	10.86	173	101131	51.749	ug/l	96
73) Isopropylbenzene	11.02	105	465898	48.637	ug/l	100
74) N-amyl acetate	10.90	43	194943	37.479	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	194035	49.761	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	173074m	50.810	ug/l	
77) Bromobenzene	11.26	156	135893	48.842	ug/l	99
78) n-propylbenzene	11.36	91	512050	46.589	ug/l	99
79) 2-Chlorotoluene	11.42	91	329945	48.162	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	394942	44.964	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	37309	30.673	ug/l	99
82) 4-Chlorotoluene	11.51	91	388639	48.196	ug/l	99
83) tert-Butylbenzene	11.77	119	397268	50.372	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	413010	45.598	ug/l	99
85) sec-Butylbenzene	11.94	105	436685	45.458	ug/l	100
86) p-Isopropyltoluene	12.07	119	393195	45.177	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	241744	46.531	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	242859	45.283	ug/l	99
89) n-Butylbenzene	12.39	91	315687	39.939	ug/l	100
90) Hexachloroethane	12.60	117	67997	46.924	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	255135	46.991	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48411	56.544	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	176671	46.387	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
Data File : VX005179.D
Acq On : 10 Oct 2018 00:17
Operator : JC/MD
Sample : J5303-04MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-1014MSD

Manual Integrations
APPROVED

MMDadoda
10/10/2018 2:08:11 PM

Quant Time: Oct 10 08:08:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	70230	35.560	ug/l	99
95) Naphthalene	13.83	128	631716	49.973	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	194490	49.434	ug/l	99

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

