

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091919\
 Data File : VX012542.D
 Acq On : 19 Sep 2019 20:37
 Operator : JC/SP
 Sample : K4883-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2-R2-1MSD

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:46:16 AM

Quant Time: Sep 20 07:03:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	312826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	132268	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	135697	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	5.49	113	98576	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	8.71	98	362696	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.14	95	147779	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	56582	46.947	ug/l	100
3) Chloromethane	1.32	50	53044	53.383	ug/l	99
4) Vinyl Chloride	1.40	62	56764	52.855	ug/l	97
5) Bromomethane	1.63	94	21572	51.127	ug/l	97
6) Chloroethane	1.71	64	41970	49.940	ug/l	97
7) Trichlorofluoromethane	1.92	101	105451	53.563	ug/l	97
8) Diethyl Ether	2.18	74	45874	51.589	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	70501	49.494	ug/l	98
10) Methyl Iodide	2.50	142	62991	51.396	ug/l	98
11) Tert butyl alcohol	3.03	59	157661	239.770	ug/l	100
12) 1,1-Dichloroethene	2.36	96	61318	53.962	ug/l	97
13) Acrolein	2.28	56	60324	265.313	ug/l	99
14) Allyl chloride	2.72	41	141998	53.675	ug/l	99
15) Acrylonitrile	3.13	53	300039	267.296	ug/l	100
16) Acetone	2.44	43	287710	242.855	ug/l	99
17) Carbon Disulfide	2.56	76	75166	46.890	ug/l	97
18) Methyl Acetate	2.76	43	134271	49.744	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	331754	53.547	ug/l	99
20) Methylene Chloride	2.84	84	81146	51.762	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	63588	53.889	ug/l	98
22) Diisopropyl ether	3.84	45	334425	53.989	ug/l	97
23) Vinyl Acetate	3.80	43	1326080	260.249	ug/l	100
24) 1,1-Dichloroethane	3.69	63	163644	55.216	ug/l	97
25) 2-Butanone	4.66	43	448683	249.708	ug/l	97
26) 2,2-Dichloropropane	4.58	77	120880	41.472	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	96931	54.990	ug/l	94
28) Bromochloromethane	5.00	49	77861	50.959	ug/l	96
29) Tetrahydrofuran	5.12	42	269327	271.324	ug/l	99
30) Chloroform	5.20	83	175038	51.426	ug/l	99
31) Cyclohexane	5.57	56	93808	52.434	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	153071	53.807	ug/l	99
36) 1,1-Dichloropropene	5.79	75	97734	51.406	ug/l	98
37) Ethyl Acetate	4.82	43	152765	52.346	ug/l	99
38) Carbon Tetrachloride	5.78	117	120071	50.779	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012542.D
 Acq On : 19 Sep 2019 20:37
 Operator : JC/SP
 Sample : K4883-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2-R2-1MSD

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:46:16 AM

Quant Time: Sep 20 07:03:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	91799	49.669	ug/l	96
40) Benzene	6.14	78	318250	52.640	ug/l	99
41) Methacrylonitrile	5.03	41	99228	52.805	ug/l	97
42) 1,2-Dichloroethane	6.18	62	142310	50.751	ug/l	99
43) Isopropyl Acetate	6.43	43	268175	51.199	ug/l	99
44) Trichloroethene	7.21	130	84495	53.130	ug/l	92
45) 1,2-Dichloropropane	7.51	63	96784	52.107	ug/l	97
46) Dibromomethane	7.65	93	62422	51.933	ug/l	99
47) Bromodichloromethane	7.89	83	141926	53.031	ug/l	99
48) Methyl methacrylate	7.76	41	131070	53.084	ug/l	99
49) 1,4-Dioxane	7.73	88	55031	915.757	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	899810	261.955	ug/l	99
52) Toluene	8.78	92	208117	53.422	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	146309	52.591	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	150917	52.399	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	105410	52.520	ug/l	99
56) Ethyl methacrylate	9.17	69	166291	52.993	ug/l	99
57) 1,3-Dichloropropane	9.37	76	169633	52.973	ug/l	100
59) 2-Hexanone	9.49	43	694311	259.086	ug/l	99
60) Dibromochloromethane	9.58	129	110481	54.041	ug/l	100
61) 1,2-Dibromoethane	9.67	107	99078	54.051	ug/l	99
64) Tetrachloroethene	9.33	164	74833	57.645	ug/l	91
65) Chlorobenzene	10.14	112	244070	52.199	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	102663	52.904	ug/l	98
67) Ethyl Benzene	10.25	91	423432	52.710	ug/l	97
68) m/p-Xylenes	10.35	106	307546	105.220	ug/l	99
69) o-Xylene	10.70	106	160804	53.495	ug/l	100
70) Stvrene	10.71	104	285951	53.766	ug/l	100
71) Bromoform	10.85	173	79055	47.469	ug/l #	97
73) Isopropylbenzene	11.01	105	443834	53.480	ug/l	100
74) N-amyl acetate	10.89	43	235692	52.750	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	174779	53.687	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	165967m	54.625	ug/l	
77) Bromobenzene	11.25	156	110596	54.643	ug/l	99
78) n-propylbenzene	11.35	91	488073	52.767	ug/l	99
79) 2-Chlorotoluene	11.42	91	313391	52.081	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	378041	53.413	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51537	46.781	ug/l	97
82) 4-Chlorotoluene	11.51	91	364298	52.750	ug/l	99
83) tert-Butylbenzene	11.77	119	392332	51.731	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	384637	52.928	ug/l	100
85) sec-Butylbenzene	11.94	105	429838	51.434	ug/l	99
86) p-Isopropyltoluene	12.06	119	397405	51.786	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	199497	52.399	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	202436	51.762	ug/l	99
89) n-Butylbenzene	12.39	91	326082	47.624	ug/l	100
90) Hexachloroethane	12.59	117	73645	52.339	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	209372	52.615	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	46807	55.458	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	130490	50.910	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091919\
Data File : VX012542.D
Acq On : 19 Sep 2019 20:37
Operator : JC/SP
Sample : K4883-07MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2-R2-1MSD

Manual Integrations
APPROVED

MMDadoda
9/20/2019 10:46:16 AM

Quant Time: Sep 20 07:03:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	51043	42.252	ug/l	98
95) Naphthalene	13.83	128	497090	54.504	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	139920	53.570	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012542.D
 Acq On : 19 Sep 2019 20:37
 Operator : JC/SP
 Sample : K4883-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MW2-R2-1MSD

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:46:16 AM

Quant Time: Sep 20 07:03:57 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

