

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX071019\
 Data File : VX010785.D
 Acq On : 10 Jul 2019 18:19
 Operator : JC/SP
 Sample : K3732-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:07 AM

Quant Time: Jul 11 03:10:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	199391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151323	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	95210	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	5.50	113	90663	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	8.71	98	331033	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.13	95	124421	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	78563	56.674	ug/l	99
3) Chloromethane	1.32	50	84843	52.561	ug/l	97
4) Vinyl Chloride	1.41	62	90753	51.331	ug/l	99
5) Bromomethane	1.64	94	47960	55.681	ug/l	97
6) Chloroethane	1.71	64	59026	56.588	ug/l	97
7) Trichlorofluoromethane	1.93	101	158508	56.555	ug/l	98
8) Diethyl Ether	2.19	74	55370	55.090	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88786	52.275	ug/l	98
10) Methyl Iodide	2.51	142	121731	50.220	ug/l	97
11) Tert butyl alcohol	3.05	59	102148	208.813	ug/l	98
12) 1,1-Dichloroethene	2.37	96	89374	51.713	ug/l	99
13) Acrolein	2.29	56	71797	221.246	ug/l	100
14) Allyl chloride	2.73	41	127016	51.766	ug/l	97
15) Acrylonitrile	3.14	53	262739	271.276	ug/l	100
16) Acetone	2.45	43	209469	223.569	ug/l	95
17) Carbon Disulfide	2.57	76	213623	46.072	ug/l	100
18) Methyl Acetate	2.78	43	95135	50.946	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	288175	53.003	ug/l	98
20) Methylene Chloride	2.85	84	103406	53.630	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	95185	51.208	ug/l	99
22) Diisopropyl ether	3.85	45	276736	53.944	ug/l	96
23) Vinyl Acetate	3.82	43	1142317	257.755	ug/l	98
24) 1,1-Dichloroethane	3.70	63	156899	52.911	ug/l	99
25) 2-Butanone	4.67	43	349165	254.056	ug/l	99
26) 2,2-Dichloropropane	4.58	77	112851	43.809	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	111219	51.779	ug/l	99
28) Bromochloromethane	5.01	49	69122	48.754	ug/l	94
29) Tetrahydrofuran	5.13	42	227147	266.828	ug/l	98
30) Chloroform	5.21	83	170523	53.446	ug/l	100
31) Cyclohexane	5.58	56	141427	52.373	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	146092	51.857	ug/l	99
36) 1,1-Dichloropropene	5.80	75	123247	51.571	ug/l	97
37) Ethyl Acetate	4.83	43	126211	51.335	ug/l	99
38) Carbon Tetrachloride	5.78	117	128617	49.700	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX071019\
 Data File : VX010785.D
 Acq On : 10 Jul 2019 18:19
 Operator : JC/SP
 Sample : K3732-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:07 AM

Quant Time: Jul 11 03:10:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	152705	48.611	ug/l	96
40) Benzene	6.14	78	383022	51.444	ug/l	99
41) Methacrylonitrile	5.04	41	72464	53.718	ug/l	98
42) 1,2-Dichloroethane	6.19	62	127775	56.378	ug/l	98
43) Isopropyl Acetate	6.45	43	206303	50.718	ug/l	98
44) Trichloroethene	7.21	130	112364	50.436	ug/l	97
45) 1,2-Dichloropropane	7.51	63	97215	51.705	ug/l	99
46) Dibromomethane	7.66	93	69563	51.567	ug/l	98
47) Bromodichloromethane	7.90	83	126346	51.107	ug/l	100
48) Methyl methacrylate	7.77	41	102809	54.376	ug/l	99
49) 1,4-Dioxane	7.74	88	50002	918.038	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	716492	275.414	ug/l	97
52) Toluene	8.78	92	252196	51.436	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	133014	47.991	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	146848	48.754	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	104649	51.751	ug/l	99
56) Ethyl methacrylate	9.18	69	160033	52.242	ug/l	96
57) 1,3-Dichloropropane	9.37	76	165602	52.757	ug/l	99
59) 2-Hexanone	9.49	43	555005	271.067	ug/l	98
60) Dibromochloromethane	9.58	129	112099	49.511	ug/l	100
61) 1,2-Dibromoethane	9.67	107	113292	51.905	ug/l	100
64) Tetrachloroethene	9.34	164	109166	48.405	ug/l	98
65) Chlorobenzene	10.13	112	284221	50.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	103164	50.032	ug/l	99
67) Ethyl Benzene	10.25	91	490392	51.314	ug/l	98
68) m/p-Xylenes	10.36	106	381843	103.118	ug/l	100
69) o-Xylene	10.69	106	186387	51.184	ug/l	98
70) Styrene	10.71	104	321936	52.716	ug/l	99
71) Bromoform	10.85	173	84437	47.089	ug/l #	100
73) Isopropylbenzene	11.02	105	495990	48.352	ug/l	99
74) N-amyl acetate	10.90	43	186534	48.117	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	168748	49.674	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135846m	49.264	ug/l	
77) Bromobenzene	11.26	156	137611	48.044	ug/l	99
78) n-propylbenzene	11.36	91	556989	49.406	ug/l	99
79) 2-Chlorotoluene	11.42	91	328916	48.995	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	415417	49.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47029	39.787	ug/l	90
82) 4-Chlorotoluene	11.51	91	381508	49.942	ug/l	100
83) tert-Butylbenzene	11.77	119	408952	48.183	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	423664	49.866	ug/l	100
85) sec-Butylbenzene	11.94	105	486495	48.818	ug/l	99
86) p-Isopropyltoluene	12.06	119	454115	49.265	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	239018	47.806	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	240960	47.339	ug/l	99
89) n-Butylbenzene	12.38	91	389519	49.729	ug/l	99
90) Hexachloroethane	12.60	117	69210	43.423	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	237656	47.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33883	46.261	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	160582	46.599	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX071019\
Data File : VX010785.D
Acq On : 10 Jul 2019 18:19
Operator : JC/SP
Sample : K3732-02MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Manual Integrations
APPROVED

MMDadoda
7/11/2019 10:54:07 AM

Quant Time: Jul 11 03:10:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	79263	47.063	ug/l	99
95) Naphthalene	13.83	128	498820	47.104	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161957	47.270	ug/l	99

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

