

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010022.D
 Acq On : 01 Jun 2019 06:49
 Operator : JC/SP
 Sample : K3129-17MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:35 AM

Quant Time: Jun 03 00:56:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	146691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	241091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109522	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	100517	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	5.50	113	73152	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	8.71	98	296115	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.13	95	109956	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	95802	53.445	ug/l	100
3) Chloromethane	1.32	50	109079	45.264	ug/l	99
4) Vinyl Chloride	1.41	62	101702	46.816	ug/l	99
5) Bromomethane	1.64	94	55107	41.868	ug/l	99
6) Chloroethane	1.71	64	62533	46.761	ug/l	98
7) Trichlorofluoromethane	1.93	101	117628	49.000	ug/l	98
8) Diethyl Ether	2.19	74	52427	46.474	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68019	46.931	ug/l	98
10) Methyl Iodide	2.51	142	78555	44.351	ug/l	99
11) Tert butyl alcohol	3.05	59	126875	248.798	ug/l	99
12) 1,1-Dichloroethene	2.37	96	74521	50.163	ug/l	98
13) Acrolein	2.29	56	80665	225.424	ug/l	99
14) Allyl chloride	2.73	41	171615	47.530	ug/l	100
15) Acrylonitrile	3.14	53	305634	248.743	ug/l	99
16) Acetone	2.45	43	267880	223.749	ug/l	98
17) Carbon Disulfide	2.57	76	217036	48.261	ug/l	99
18) Methyl Acetate	2.78	43	128133	45.995	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	286737	51.124	ug/l	99
20) Methylene Chloride	2.85	84	90801	49.526	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	80031	48.417	ug/l	99
22) Diisopropyl ether	3.85	45	345871	50.345	ug/l	93
23) Vinyl Acetate	3.82	43	1386809	224.703	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167726	50.378	ug/l	99
25) 2-Butanone	4.67	43	456247	244.601	ug/l	100
26) 2,2-Dichloropropane	4.58	77	71788	28.504	ug/l #	70
27) cis-1,2-Dichloroethene	4.60	96	326039	170.874	ug/l	89
28) Bromochloromethane	5.01	49	82292	47.631	ug/l	97
29) Tetrahydrofuran	5.13	42	301564	252.117	ug/l	99
30) Chloroform	5.21	83	153367	51.078	ug/l	100
31) Cyclohexane	5.58	56	154747	49.074	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	127990	52.341	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114932	46.985	ug/l	99
37) Ethyl Acetate	4.84	43	154677	45.381	ug/l	100
38) Carbon Tetrachloride	5.79	117	107783	50.990	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010022.D
 Acq On : 01 Jun 2019 06:49
 Operator : JC/SP
 Sample : K3129-17MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:35 AM

Quant Time: Jun 03 00:56:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	133851	46.130	ug/l	99
40) Benzene	6.14	78	359764	49.579	ug/l	99
41) Methacrylonitrile	5.04	41	97190	48.799	ug/l	99
42) 1,2-Dichloroethane	6.19	62	132753	49.486	ug/l	99
43) Isopropyl Acetate	6.45	43	255826	46.517	ug/l	99
44) Trichloroethene	7.21	130	86538	49.097	ug/l	98
45) 1,2-Dichloropropane	7.51	63	102490	49.065	ug/l	95
46) Dibromomethane	7.66	93	58818	47.837	ug/l	97
47) Bromodichloromethane	7.90	83	119888	51.275	ug/l	100
48) Methyl methacrylate	7.77	41	137412	50.473	ug/l	99
49) 1,4-Dioxane	7.74	88	49618	979.799	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	909956	254.351	ug/l	100
52) Toluene	8.79	92	221654	50.309	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	131063	46.739	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	141941	46.458	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	89837	50.661	ug/l	98
56) Ethyl methacrylate	9.18	69	166319	52.683	ug/l	100
57) 1,3-Dichloropropane	9.37	76	156359	49.098	ug/l	99
59) 2-Hexanone	9.49	43	706919	256.653	ug/l	99
60) Dibromochloromethane	9.58	129	91627	52.527	ug/l	100
61) 1,2-Dibromoethane	9.67	107	92616	50.838	ug/l	99
64) Tetrachloroethene	9.34	164	74563	47.863	ug/l	95
65) Chlorobenzene	10.14	112	231639	49.611	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	84135	51.953	ug/l	99
67) Ethyl Benzene	10.25	91	424947	50.689	ug/l	99
68) m/p-Xylenes	10.36	106	311107	100.449	ug/l	99
69) o-Xylene	10.69	106	153090	51.540	ug/l	98
70) Styrene	10.71	104	270632	51.960	ug/l	99
71) Bromoform	10.85	173	72675	54.901	ug/l	97
73) Isopropylbenzene	11.02	105	403071	49.880	ug/l	99
74) N-amyl acetate	10.90	43	223918	46.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	152967	50.740	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	130601m	49.866	ug/l	
77) Bromobenzene	11.26	156	103967	50.485	ug/l	95
78) n-propylbenzene	11.36	91	460931	49.486	ug/l	99
79) 2-Chlorotoluene	11.42	91	278862	49.002	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	342647	50.332	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	44197	41.753	ug/l	100
82) 4-Chlorotoluene	11.51	91	323413	48.819	ug/l	99
83) tert-Butylbenzene	11.77	119	335204	51.467	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	344676	49.855	ug/l	100
85) sec-Butylbenzene	11.94	105	387906	50.063	ug/l	100
86) p-Isopropyltoluene	12.06	119	353372	50.703	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	181161	49.412	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182863	48.906	ug/l	98
89) n-Butylbenzene	12.38	91	310511	47.408	ug/l	99
90) Hexachloroethane	12.60	117	62039	51.870	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	184889	51.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34639	48.814	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	127531	49.370	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
Data File : VX010022.D
Acq On : 01 Jun 2019 06:49
Operator : JC/SP
Sample : K3129-17MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM

Quant Time: Jun 03 00:56:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	60850	46.965	ug/l	99
95) Naphthalene	13.83	128	413521	51.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	128400	49.658	ug/l	100

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

