

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060418\
 Data File : VX002258.D
 Acq On : 04 Jun 2018 12:19
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:03 PM

Quant Time: Jun 05 03:10:59 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 02:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446354	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	437212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	288502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	636189	130.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.18%	
35) Dibromofluoromethane	5.51	113	509500	145.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.30%	
50) Toluene-d8	8.72	98	1974509	146.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.52%	
62) 4-Bromofluorobenzene	11.14	95	815054	157.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	488025	149.31	ug/l	99
3) Chloromethane	1.32	50	530859	123.43	ug/l	99
4) Vinyl Chloride	1.41	62	565697	137.33	ug/l	99
5) Bromomethane	1.64	94	332759	101.63	ug/l	97
6) Chloroethane	1.70	64	324021	121.60	ug/l	99
7) Trichlorofluoromethane	1.92	101	891270	142.01	ug/l	98
8) Diethyl Ether	2.19	74	320506	125.37	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	490563	144.84	ug/l	99
10) Methyl Iodide	2.51	142	711439	149.34	ug/l	99
11) Tert butyl alcohol	3.10	59	654577	649.69	ug/l	100
12) 1,1-Dichloroethene	2.37	96	455246	136.01	ug/l	98
13) Acrolein	2.30	56	328432	676.75	ug/l	100
14) Allyl chloride	2.73	41	943448	129.88	ug/l	99
15) Acrylonitrile	3.16	53	1397674	651.75	ug/l	100
16) Acetone	2.46	43	1354211	602.32	ug/l	99
17) Carbon Disulfide	2.56	76	1281114	145.22	ug/l	98
18) Methyl Acetate	2.78	43	646474	121.88	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	1676970	126.48	ug/l	99
20) Methylene Chloride	2.85	84	509362	114.01	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	486994	131.94	ug/l	99
22) Diisopropyl ether	3.88	45	1772040	130.74	ug/l	99
23) Vinyl Acetate	3.83	43	7756208	658.68	ug/l	99
24) 1,1-Dichloroethane	3.70	63	932399	129.87	ug/l	100
25) 2-Butanone	4.72	43	2011776	652.58	ug/l	99
26) 2,2-Dichloropropane	4.59	77	764119	136.16	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	532391	132.63	ug/l	95
28) Bromochloromethane	5.03	49	425613	122.43	ug/l	97
29) Tetrahydrofuran	5.17	42	1307151	657.65	ug/l	99
30) Chloroform	5.22	83	936669	135.21	ug/l	98
31) Cyclohexane	5.57	56	831984	146.55	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	857071	145.88	ug/l	99
36) 1,1-Dichloropropene	5.81	75	700379	149.26	ug/l	100
37) Ethyl Acetate	4.87	43	804309	142.53	ug/l	99
38) Carbon Tetrachloride	5.79	117	776230	158.12	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060418\
 Data File : VX002258.D
 Acq On : 04 Jun 2018 12:19
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:03 PM

Quant Time: Jun 05 03:10:59 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 02:06:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	860081	160.82	ug/l	98
40) Benzene	6.15	78	2050710	142.53	ug/l	100
41) Methacrylonitrile	5.07	41	461149	142.75	ug/l	99
42) 1,2-Dichloroethane	6.20	62	787220	137.71	ug/l	100
43) Isopropyl Acetate	6.48	43	1389349	144.95	ug/l	100
44) Trichloroethene	7.21	130	595394	149.10	ug/l	97
45) 1,2-Dichloropropane	7.52	63	543060	139.81	ug/l	100
46) Dibromomethane	7.67	93	368241	139.85	ug/l	99
47) Bromodichloromethane	7.90	83	737230	154.81	ug/l	99
48) Methyl methacrylate	7.79	41	718878	149.31	ug/l	99
49) 1,4-Dioxane	7.76	88	262521	2916.17	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	4419586	740.42	ug/l	99
52) Toluene	8.79	92	1367370	149.43	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	898664	157.36	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	880567	163.43	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	549294	145.95	ug/l	100
56) Ethyl methacrylate	9.19	69	915094	152.29	ug/l	100
57) 1,3-Dichloropropane	9.38	76	904003	143.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	2079883	747.86	ug/l	99
59) 2-Hexanone	9.51	43	3449814	748.25	ug/l	99
60) Dibromochloromethane	9.59	129	649529	171.58	ug/l	100
61) 1,2-Dibromoethane	9.68	107	593102	151.14	ug/l	100
64) Tetrachloroethene	9.34	164	652379	144.68	ug/l	99
65) Chlorobenzene	10.15	112	1587888	145.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	608323	154.43	ug/l	99
67) Ethyl Benzene	10.26	91	2718262	149.30	ug/l	99
68) m/p-Xylenes	10.37	106	2138011	302.10	ug/l	98
69) o-Xylene	10.71	106	1058553	150.30	ug/l	99
70) Styrene	10.72	104	1816541	157.77	ug/l	100
71) Bromoform	10.87	173	568395	182.01	ug/l	99
73) Isopropylbenzene	11.02	105	2865794	142.79	ug/l	100
74) N-amyl acetate	6.48	43	1389349	128.48	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	856563	135.70	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	859097m	148.45	ug/l	
77) Bromobenzene	11.26	156	792111	140.59	ug/l	99
78) n-propylbenzene	11.37	91	3299283	147.90	ug/l	99
79) 2-Chlorotoluene	11.43	91	1960398	139.18	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	2492985	144.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	299542	165.86	ug/l	96
82) 4-Chlorotoluene	11.52	91	2365006	145.47	ug/l	100
83) tert-Butylbenzene	11.77	119	2494017	148.78	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	2562557	144.61	ug/l	99
85) sec-Butylbenzene	11.95	105	2990427	152.17	ug/l	99
86) p-Isopropyltoluene	12.07	119	2736672	152.89	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1460261	144.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1485808	143.09	ug/l	99
89) n-Butylbenzene	12.40	91	2476484	164.96	ug/l	99
90) Hexachloroethane	12.60	117	479685	167.88	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	1466645	140.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	213870	154.94	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX060418\
Data File : VX002258.D
Acq On : 04 Jun 2018 12:19
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

MMDadoda
6/5/2018 5:56:03 PM

Quant Time: Jun 05 03:10:59 2018
Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 02:06:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1129439	154.53	ug/l	100
94) Hexachlorobutadiene	13.79	225	595112	164.78	ug/l	99
95) Naphthalene	13.84	128	3078359	146.59	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	1116504	149.79	ug/l	100

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

