

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014012.D
 Acq On : 13 Dec 2019 16:45
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:46:09 PM

Quant Time: Dec 13 17:08:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	540958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	834820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	770553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	416367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	936152	148.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.70%	
35) Dibromofluoromethane	5.49	113	788057	151.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.76%	
50) Toluene-d8	8.71	98	2996447	147.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.38%	
62) 4-Bromofluorobenzene	11.14	95	1153758	157.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	717501	124.068	ug/l	98
3) Chloromethane	1.31	50	936620	139.945	ug/l	99
4) Vinyl Chloride	1.40	62	977207	132.003	ug/l	100
5) Bromomethane	1.62	94	736859	145.490	ug/l	100
6) Chloroethane	1.70	64	594664	137.774	ug/l	93
7) Trichlorofluoromethane	1.91	101	1250605	147.606	ug/l	99
8) Diethyl Ether	2.18	74	570113	148.881	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	749338	145.407	ug/l	100
10) Methyl Iodide	2.50	142	1044115	166.829	ug/l	98
11) Tert butyl alcohol	3.07	59	966022	641.188	ug/l	99
12) 1,1-Dichloroethene	2.36	96	777505	151.289	ug/l	98
13) Acrolein	2.29	56	674752	760.771	ug/l	96
14) Allyl chloride	2.72	41	1424464	152.861	ug/l	99
15) Acrylonitrile	3.14	53	2328143	734.864	ug/l	100
16) Acetone	2.44	43	2873095	882.437	ug/l	99
17) Carbon Disulfide	2.55	76	2212411	150.704	ug/l	100
18) Methyl Acetate	2.76	43	1204602	143.050	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	2596157	152.192	ug/l	98
20) Methylene Chloride	2.84	84	872676	146.173	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	829969	147.972	ug/l	97
22) Diisopropyl ether	3.85	45	2777400	154.046	ug/l	90
23) Vinyl Acetate	3.81	43	11159560	745.509	ug/l	98
24) 1,1-Dichloroethane	3.69	63	1512700	153.488	ug/l	99
25) 2-Butanone	4.67	43	3682621	792.556	ug/l	99
26) 2,2-Dichloropropane	4.57	77	1220310	150.261	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	961661	149.395	ug/l	100
28) Bromochloromethane	5.00	49	594697	170.925	ug/l	98
29) Tetrahydrofuran	5.12	42	2087333	745.240	ug/l	99
30) Chloroform	5.20	83	1457923	146.153	ug/l	98
31) Cyclohexane	5.57	56	1393293	149.543	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	1258831	151.096	ug/l	99
36) 1,1-Dichloropropene	5.79	75	1147913	151.372	ug/l	100
37) Ethyl Acetate	4.83	43	1287314	152.166	ug/l	99
38) Carbon Tetrachloride	5.78	117	1099440	157.180	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014012.D
 Acq On : 13 Dec 2019 16:45
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:46:09 PM

Quant Time: Dec 13 17:08:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 16:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1431530	152.452	ug/l	99
40) Benzene	6.14	78	3442287	148.726	ug/l	100
41) Methacrylonitrile	5.04	41	715360	154.915	ug/l	99
42) 1,2-Dichloroethane	6.18	62	1179327	149.634	ug/l	99
43) Isopropyl Acetate	6.43	43	2181617	156.119	ug/l	100
44) Trichloroethene	7.20	130	948580	149.877	ug/l	99
45) 1,2-Dichloropropane	7.51	63	894252	154.137	ug/l	99
46) Dibromomethane	7.65	93	585568	149.129	ug/l	99
47) Bromodichloromethane	7.89	83	1181251	159.175	ug/l	98
48) Methyl methacrylate	7.76	41	1071509	158.165	ug/l	99
49) 1,4-Dioxane	7.74	88	394321	2642.701	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	6685070	761.881	ug/l	99
52) Toluene	8.78	92	2179460	151.380	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	1384848	164.046	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	1495505	161.997	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	886074	152.917	ug/l	99
56) Ethyl methacrylate	9.17	69	1519194	162.809	ug/l	99
57) 1,3-Dichloropropane	9.37	76	1493883	149.395	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	2855998	780.770	ug/l	99
59) 2-Hexanone	9.49	43	5445631	788.686	ug/l	99
60) Dibromochloromethane	9.58	129	986592	164.651	ug/l	100
61) 1,2-Dibromoethane	9.67	107	937046	151.608	ug/l	100
64) Tetrachloroethene	9.33	164	1038728	174.689	ug/l	97
65) Chlorobenzene	10.14	112	2375571	147.659	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	895181	155.397	ug/l	100
67) Ethyl Benzene	10.25	91	4147366	150.188	ug/l	97
68) m/p-Xylenes	10.35	106	3214539	303.636	ug/l	98
69) o-Xylene	10.70	106	1582818	153.308	ug/l	100
70) Styrene	10.71	104	2803610	160.964	ug/l	100
71) Bromoform	10.85	173	823754	173.364	ug/l	100
73) Isopropylbenzene	11.01	105	4102514	140.283	ug/l	99
74) N-amyl acetate	10.89	43	2089155	155.946	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	1451158	143.318	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	1295022m	138.876	ug/l	
77) Bromobenzene	11.25	156	1129271	143.259	ug/l	98
78) n-propylbenzene	11.35	91	4739102	144.921	ug/l	98
79) 2-Chlorotoluene	11.42	91	2816371	143.160	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	3555462	147.911	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	538282	158.238	ug/l	96
82) 4-Chlorotoluene	11.51	91	3334083	146.773	ug/l	100
83) tert-Butylbenzene	11.77	119	3404783	140.591	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	3624117	148.658	ug/l	99
85) sec-Butylbenzene	11.94	105	4142990	148.653	ug/l	99
86) p-Isopropyltoluene	12.06	119	3899255	150.616	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	2035638	147.854	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	2043150	145.492	ug/l	99
89) n-Butylbenzene	12.39	91	3481644	157.477	ug/l	98
90) Hexachloroethane	12.59	117	746787	159.139	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	2007287	147.110	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	316431	144.923	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
Data File : VX014012.D
Acq On : 13 Dec 2019 16:45
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

apatel
12/16/2019 12:46:09 PM

Quant Time: Dec 13 17:08:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 16:34:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	1421239	150.803	ug/l	99
94) Hexachlorobutadiene	13.77	225	639399	140.202	ug/l	97
95) Naphthalene	13.83	128	4221939	150.807	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1382616	147.504	ug/l	98

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

