

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005828.D
 Acq On : 07 Nov 2018 14:45
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:42 AM

Quant Time: Nov 07 15:06:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	127029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	175532	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	151585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	75397	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	5.49	113	59791	50.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	8.71	98	198841	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.14	95	73092	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	59126	51.624	ug/l	94
3) Chloromethane	1.32	50	80569	53.603	ug/l	94
4) Vinyl Chloride	1.41	62	74667	49.483	ug/l	95
5) Bromomethane	1.64	94	46769	50.648	ug/l	87
6) Chloroethane	1.71	64	43055	47.821	ug/l	97
7) Trichlorofluoromethane	1.92	101	98561	49.208	ug/l	97
8) Diethyl Ether	2.19	74	40477	51.574	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57798	50.174	ug/l	98
10) Methyl Iodide	2.51	142	64488	46.190	ug/l	97
11) Tert butyl alcohol	3.08	59	100489	240.207	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53788	47.905	ug/l	88
13) Acrolein	2.29	56	54145	269.800	ug/l	97
14) Allyl chloride	2.73	41	122739	48.945	ug/l	100
15) Acrylonitrile	3.15	53	218456	251.977	ug/l	99
16) Acetone	2.45	43	209599	266.565	ug/l	97
17) Carbon Disulfide	2.56	76	183246	54.715	ug/l	98
18) Methyl Acetate	2.78	43	112511	53.498	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	195433	50.998	ug/l	93
20) Methylene Chloride	2.85	84	60275	46.666	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	58279	49.211	ug/l	96
22) Diisopropyl ether	3.87	45	218084	49.645	ug/l	# 92
23) Vinyl Acetate	3.82	43	953401	253.126	ug/l	100
24) 1,1-Dichloroethane	3.70	63	114258	48.752	ug/l	100
25) 2-Butanone	4.71	43	328166	265.467	ug/l	97
26) 2,2-Dichloropropane	4.59	77	91741	53.363	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	67999	52.001	ug/l	99
28) Bromochloromethane	5.01	49	58010	55.383	ug/l	98
29) Tetrahydrofuran	5.15	42	211109	265.973	ug/l	99
30) Chloroform	5.21	83	109877	48.594	ug/l	99
31) Cyclohexane	5.57	56	104680	51.454	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	97843	51.879	ug/l	98
36) 1,1-Dichloropropene	5.80	75	84962	50.209	ug/l	97
37) Ethyl Acetate	4.86	43	113837	51.157	ug/l	99
38) Carbon Tetrachloride	5.78	117	86377	50.988	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005828.D
 Acq On : 07 Nov 2018 14:45
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110718

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:42 AM

Quant Time: Nov 07 15:06:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	88046	51.337	ug/l #	86
40) Benzene	6.13	78	255199	51.732	ug/l	94
41) Methacrylonitrile	5.06	41	64454	53.604	ug/l	98
42) 1,2-Dichloroethane	6.20	62	88490	50.082	ug/l	100
43) Isopropyl Acetate	6.46	43	167027	51.801	ug/l	97
44) Trichloroethene	7.21	130	61733	49.277	ug/l	91
45) 1,2-Dichloropropane	7.52	63	61122	51.048	ug/l	97
46) Dibromomethane	7.66	93	39768	52.929	ug/l	94
47) Bromodichloromethane	7.90	83	71840	50.594	ug/l	98
48) Methyl methacrylate	7.77	41	75496	52.145	ug/l	100
49) 1,4-Dioxane	7.75	88	34056	1091.596	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	524351	258.029	ug/l	96
52) Toluene	8.79	92	132080	47.907	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	82920	49.485	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	89955	52.669	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	60266	49.047	ug/l #	90
56) Ethyl methacrylate	9.18	69	98641	53.653	ug/l	97
57) 1,3-Dichloropropane	9.37	76	98053	47.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	247051	246.717	ug/l	100
59) 2-Hexanone	9.49	43	447856	250.025	ug/l	95
60) Dibromochloromethane	9.59	129	66677	50.211	ug/l	98
61) 1,2-Dibromoethane	9.68	107	64158	47.220	ug/l	99
64) Tetrachloroethene	9.34	164	68382	52.985	ug/l #	80
65) Chlorobenzene	10.14	112	152585	50.246	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	54593	51.711	ug/l	99
67) Ethyl Benzene	10.25	91	260872	53.573	ug/l	99
68) m/p-Xylenes	10.36	106	200341	107.861	ug/l	100
69) o-Xylene	10.70	106	95212	57.166	ug/l	100
70) Styrene	10.71	104	160480	58.409	ug/l	99
71) Bromoform	10.86	173	49215	55.609	ug/l #	100
73) Isopropylbenzene	11.02	105	263788	55.772	ug/l	99
74) N-amyl acetate	10.90	43	133902	50.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	89603	51.613	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	87185m	52.351	ug/l	
77) Bromobenzene	11.26	156	68724	51.551	ug/l	100
78) n-propylbenzene	11.36	91	308617	55.366	ug/l	99
79) 2-Chlorotoluene	11.42	91	180308	53.516	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	225301	56.054	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	28121	53.817	ug/l	99
82) 4-Chlorotoluene	11.51	91	215751	54.335	ug/l	100
83) tert-Butylbenzene	11.77	119	221355	54.437	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	232545	52.432	ug/l	100
85) sec-Butylbenzene	11.94	105	270183	54.336	ug/l	100
86) p-Isopropyltoluene	12.07	119	243984	55.395	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	129434	50.590	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	130951	49.998	ug/l	99
89) n-Butylbenzene	12.39	91	223977	54.868	ug/l	100
90) Hexachloroethane	12.60	117	39551	53.785	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	129219	50.417	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23372	55.170	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110718\
Data File : VX005828.D
Acq On : 07 Nov 2018 14:45
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110718

Manual Integrations
APPROVED

MMDadoda
11/8/2018 10:35:42 AM

Quant Time: Nov 07 15:06:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99664	55.237	ug/l	99
94) Hexachlorobutadiene	13.78	225	50089	52.849	ug/l	99
95) Naphthalene	13.83	128	305747	51.914	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	100640	54.750	ug/l	99

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

