

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004466.D
 Acq On : 11 Sep 2018 13:27
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:14 AM

Quant Time: Sep 12 02:03:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	279519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	328874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	72245	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
35) Dibromofluoromethane	5.51	113	62354	19.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.50%	
50) Toluene-d8	8.72	98	205693	18.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.86%	
62) 4-Bromofluorobenzene	11.14	95	71213	18.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55543	21.20	ug/l	93
3) Chloromethane	1.32	50	75118	20.84	ug/l	98
4) Vinyl Chloride	1.40	62	73480	19.86	ug/l	98
5) Bromomethane	1.64	94	34900	19.76	ug/l	98
6) Chloroethane	1.72	64	47355	19.79	ug/l	100
7) Trichlorofluoromethane	1.93	101	100379	20.46	ug/l	93
8) Diethyl Ether	2.19	74	45374	20.63	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65326	20.99	ug/l	99
10) Methyl Iodide	2.51	142	65187	19.05	ug/l	97
11) Tert butyl alcohol	3.07	59	85846	99.82	ug/l	100
12) 1,1-Dichloroethene	2.37	96	58186	19.92	ug/l	92
13) Acrolein	2.29	56	29881	88.02	ug/l	96
14) Allyl chloride	2.73	41	119144	19.84	ug/l	96
15) Acrylonitrile	3.15	53	202615	97.84	ug/l	95
16) Acetone	2.45	43	164902	93.74	ug/l	94
17) Carbon Disulfide	2.57	76	169638	20.09	ug/l	97
18) Methyl Acetate	2.78	43	95438	19.34	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	198026	19.32	ug/l	92
20) Methylene Chloride	2.85	84	70005	19.40	ug/l	89
21) trans-1,2-Dichloroethene	3.17	96	61926	19.19	ug/l	99
22) Diisopropyl ether	3.87	45	214741	19.86	ug/l	96
23) Vinyl Acetate	3.82	43	871142	99.54	ug/l	99
24) 1,1-Dichloroethane	3.69	63	119571	19.58	ug/l	97
25) 2-Butanone	4.70	43	258520	92.34	ug/l	92
26) 2,2-Dichloropropane	4.58	77	81871	19.52	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	72738	20.19	ug/l	97
28) Bromochloromethane	5.02	49	60045	21.50	ug/l	95
29) Tetrahydrofuran	5.16	42	167606	99.27	ug/l	97
30) Chloroform	5.21	83	119537	20.05	ug/l	95
31) Cyclohexane	5.57	56	106837	20.49	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	96832	20.17	ug/l	98
36) 1,1-Dichloropropene	5.80	75	87159	20.28	ug/l	98
37) Ethyl Acetate	4.86	43	96724	19.79	ug/l	100
38) Carbon Tetrachloride	5.79	117	84522	20.14	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004466.D
 Acq On : 11 Sep 2018 13:27
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:14 AM

Quant Time: Sep 12 02:03:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	88138	19.65	ug/l	97
40) Benzene	6.15	78	262932	20.62	ug/l	98
41) Methacrylonitrile	5.06	41	53527	19.87	ug/l	99
42) 1,2-Dichloroethane	6.20	62	85433	20.20	ug/l	99
43) Isopropyl Acetate	6.46	43	124314	19.15	ug/l	98
44) Trichloroethene	7.21	130	65719	19.84	ug/l	95
45) 1,2-Dichloropropane	7.52	63	61495	20.04	ug/l	97
46) Dibromomethane	7.66	93	38429	19.82	ug/l	97
47) Bromodichloromethane	7.90	83	72843	19.87	ug/l	99
48) Methyl methacrylate	7.78	41	64269	20.00	ug/l	97
49) 1,4-Dioxane	7.76	88	30949	406.98	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	429804	93.81	ug/l	96
52) Toluene	8.79	92	157532	20.97	ug/l	93
53) t-1,3-Dichloropropene	9.04	75	84710	19.78	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	86962	19.92	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	65980	20.40	ug/l	95
56) Ethyl methacrylate	9.18	69	92870	20.29	ug/l	99
57) 1,3-Dichloropropane	9.38	76	104688	19.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	213593	101.74	ug/l	96
59) 2-Hexanone	9.50	43	326214	92.83	ug/l	99
60) Dibromochloromethane	9.58	129	60031	19.71	ug/l	98
61) 1,2-Dibromoethane	9.68	107	60512	19.58	ug/l	100
64) Tetrachloroethene	9.34	164	84620	20.61	ug/l	98
65) Chlorobenzene	10.14	112	163148	19.97	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	55779	19.80	ug/l	99
67) Ethyl Benzene	10.26	91	270599	20.37	ug/l	97
68) m/p-Xylenes	10.36	106	213045	41.64	ug/l	96
69) o-Xylene	10.70	106	99631	20.25	ug/l	97
70) Styrene	10.71	104	169127	20.75	ug/l	98
71) Bromoform	10.86	173	44887	19.41	ug/l #	99
73) Isopropylbenzene	11.02	105	273222	20.92	ug/l	99
74) N-amyl acetate	10.90	43	108306	19.71	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	82312	19.54	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	80653m	20.82	ug/l	
77) Bromobenzene	11.26	156	73309	20.31	ug/l	98
78) n-propylbenzene	11.36	91	314106	20.92	ug/l	99
79) 2-Chlorotoluene	11.42	91	187848	20.63	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	231163	21.06	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	24068	19.23	ug/l	99
82) 4-Chlorotoluene	11.51	91	222010	20.89	ug/l	99
83) tert-Butylbenzene	11.77	119	212819	20.36	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	237532	21.19	ug/l	99
85) sec-Butylbenzene	11.95	105	277522	20.84	ug/l	98
86) p-Isopropyltoluene	12.07	119	248549	21.13	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	134189	19.93	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	136998	19.69	ug/l	98
89) n-Butylbenzene	12.39	91	212763	19.85	ug/l	97
90) Hexachloroethane	12.60	117	36241	19.25	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	133706	19.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18006	20.02	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
Data File : VX004466.D
Acq On : 11 Sep 2018 13:27
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:14 AM

Quant Time: Sep 12 02:03:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 01:43:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	96434	19.98	ug/l	98
94) Hexachlorobutadiene	13.79	225	49206	19.52	ug/l	98
95) Naphthalene	13.83	128	275787	20.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	99439	20.06	ug/l	99

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

