

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006689.D
 Acq On : 20 Dec 2018 21:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:19:16 AM

Quant Time: Dec 21 04:40:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	577263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	896871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	819765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	411663	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	316755	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	5.51	113	286554	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.71	98	1089268	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.13	95	392106	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	243122	46.038	ug/l	98
3) Chloromethane	1.33	50	263050	46.235	ug/l	98
4) Vinyl Chloride	1.41	62	285812	48.100	ug/l	98
5) Bromomethane	1.64	94	283821	51.231	ug/l	96
6) Chloroethane	1.71	64	190596	46.324	ug/l	97
7) Trichlorofluoromethane	1.93	101	458248	49.464	ug/l	99
8) Diethyl Ether	2.19	74	181504	49.327	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	266808	49.050	ug/l	99
10) Methyl Iodide	2.51	142	402831	51.735	ug/l	99
11) Tert butyl alcohol	3.08	59	355345	255.926	ug/l	99
12) 1,1-Dichloroethene	2.37	96	250367	48.543	ug/l	100
13) Acrolein	2.29	56	203736	217.511	ug/l	98
14) Allyl chloride	2.73	41	433677	49.954	ug/l	99
15) Acrylonitrile	3.15	53	810834	263.016	ug/l	100
16) Acetone	2.45	43	673593	235.658	ug/l	100
17) Carbon Disulfide	2.57	76	592344	43.398	ug/l	99
18) Methyl Acetate	2.78	43	453667	53.976	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	892158	52.117	ug/l	100
20) Methylene Chloride	2.85	84	286483	48.470	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	271368	47.486	ug/l	99
22) Diisopropyl ether	3.87	45	841637	52.992	ug/l	94
23) Vinyl Acetate	3.82	43	3378720	260.075	ug/l	100
24) 1,1-Dichloroethane	3.70	63	464248	48.966	ug/l	99
25) 2-Butanone	4.70	43	1026498	255.308	ug/l	99
26) 2,2-Dichloropropane	4.59	77	317017	43.286	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	316665	50.223	ug/l	99
28) Bromochloromethane	5.02	49	218456	54.839	ug/l	98
29) Tetrahydrofuran	5.15	42	693926	262.046	ug/l	99
30) Chloroform	5.21	83	499658	50.891	ug/l	98
31) Cyclohexane	5.57	56	420658	48.838	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	421015	50.784	ug/l	98
36) 1,1-Dichloropropene	5.80	75	365437	49.196	ug/l	99
37) Ethyl Acetate	4.85	43	398563	51.551	ug/l	99
38) Carbon Tetrachloride	5.79	117	357548	49.529	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122018\
 Data File : VX006689.D
 Acq On : 20 Dec 2018 21:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 10:19:16 AM

Quant Time: Dec 21 04:40:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	470121	48.073	ug/l	98
40) Benzene	6.14	78	1126956	49.911	ug/l	99
41) Methacrylonitrile	5.06	41	218416	53.211	ug/l	98
42) 1,2-Dichloroethane	6.20	62	380333	49.433	ug/l	100
43) Isopropyl Acetate	6.46	43	620849	52.777	ug/l	99
44) Trichloroethene	7.21	130	332123	48.599	ug/l	98
45) 1,2-Dichloropropane	7.52	63	282627	51.437	ug/l	98
46) Dibromomethane	7.66	93	204728	50.655	ug/l	99
47) Bromodichloromethane	7.90	83	351339	52.361	ug/l	97
48) Methyl methacrylate	7.77	41	323169	54.022	ug/l	99
49) 1,4-Dioxane	7.76	88	161478	1032.322	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1984791	265.175	ug/l	99
52) Toluene	8.79	92	747335	51.233	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	371750	51.658	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	419043	53.069	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	307012	51.419	ug/l	97
56) Ethyl methacrylate	9.18	69	449069	53.214	ug/l	98
57) 1,3-Dichloropropane	9.37	76	493627	51.386	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1163328	259.334	ug/l	99
59) 2-Hexanone	9.49	43	1498382	261.645	ug/l	99
60) Dibromochloromethane	9.59	129	307471	49.272	ug/l	98
61) 1,2-Dibromoethane	9.67	107	336298	52.985	ug/l	100
64) Tetrachloroethene	9.34	164	327888	50.512	ug/l	97
65) Chlorobenzene	10.14	112	868162	50.059	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	295810	54.669	ug/l	99
67) Ethyl Benzene	10.25	91	1434898	50.633	ug/l	100
68) m/p-Xylenes	10.36	106	1132488	101.272	ug/l	100
69) o-Xylene	10.70	106	557652	50.500	ug/l	98
70) Styrene	10.71	104	898881	51.453	ug/l	99
71) Bromoform	10.86	173	214050	44.404	ug/l #	99
73) Isopropylbenzene	11.02	105	1484819	52.723	ug/l	99
74) N-amyl acetate	10.90	43	552385	54.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	450217	53.753	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	411387m	53.773	ug/l	
77) Bromobenzene	11.26	156	393528	51.686	ug/l	99
78) n-propylbenzene	11.36	91	1636510	52.769	ug/l	99
79) 2-Chlorotoluene	11.42	91	957474	50.946	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1211533	52.229	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	109815	44.218	ug/l	97
82) 4-Chlorotoluene	11.51	91	1104068	51.214	ug/l	100
83) tert-Butylbenzene	11.77	119	1230231	52.990	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1250221	51.241	ug/l	100
85) sec-Butylbenzene	11.94	105	1491706	52.406	ug/l	99
86) p-Isopropyltoluene	12.06	119	1325621	52.980	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	701303	51.107	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	700449	49.793	ug/l	99
89) n-Butylbenzene	12.39	91	1125446	52.852	ug/l	100
90) Hexachloroethane	12.60	117	188993	48.377	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	688491	50.156	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	91026	52.524	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122018\
Data File : VX006689.D
Acq On : 20 Dec 2018 21:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/21/2018 10:19:16 AM

Quant Time: Dec 21 04:40:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	492360	51.998	ug/l	99
94) Hexachlorobutadiene	13.78	225	220662	49.442	ug/l	99
95) Naphthalene	13.83	128	1565674	51.808	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	492712	50.398	ug/l	99

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

