

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120418\
 Data File : VX006268.D
 Acq On : 04 Dec 2018 10:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/5/2018 10:11:22 AM

Quant Time: Dec 04 13:07:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	709387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1023858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	914034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	475299	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	341295	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	5.50	113	330003	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	8.71	98	1181697	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.13	95	442643	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	405088	58.321	ug/l	100
3) Chloromethane	1.33	50	374724	52.498	ug/l	97
4) Vinyl Chloride	1.41	62	412011	53.632	ug/l	99
5) Bromomethane	1.64	94	303259	56.961	ug/l	100
6) Chloroethane	1.72	64	252576	53.623	ug/l	99
7) Trichlorofluoromethane	1.93	101	633127	53.690	ug/l	96
8) Diethyl Ether	2.19	74	236099	52.902	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	372988	55.626	ug/l	99
10) Methyl Iodide	2.51	142	559960	55.413	ug/l	98
11) Tert butyl alcohol	3.07	59	456077	230.290	ug/l	99
12) 1,1-Dichloroethene	2.37	96	336071	52.356	ug/l	98
13) Acrolein	2.29	56	260642	240.792	ug/l	100
14) Allyl chloride	2.73	41	635034	50.081	ug/l	98
15) Acrylonitrile	3.15	53	1015295	245.673	ug/l	100
16) Acetone	2.45	43	801031	235.703	ug/l	98
17) Carbon Disulfide	2.57	76	999608	50.537	ug/l	99
18) Methyl Acetate	2.78	43	570396	50.188	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	1190788	52.002	ug/l	100
20) Methylene Chloride	2.85	84	371693	51.390	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	357294	52.232	ug/l	95
22) Diisopropyl ether	3.87	45	1068160	53.932	ug/l	97
23) Vinyl Acetate	3.82	43	4502295	266.525	ug/l	100
24) 1,1-Dichloroethane	3.70	63	637349	56.301	ug/l	98
25) 2-Butanone	4.70	43	1187665	244.922	ug/l	99
26) 2,2-Dichloropropane	4.59	77	583815	55.881	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	418547	54.854	ug/l	99
28) Bromochloromethane	5.01	49	247290	50.011	ug/l	100
29) Tetrahydrofuran	5.15	42	838064	248.672	ug/l	98
30) Chloroform	5.21	83	654212	54.993	ug/l	97
31) Cyclohexane	5.57	56	562213	53.739	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	614843	54.320	ug/l	100
36) 1,1-Dichloropropene	5.80	75	488044	56.605	ug/l	100
37) Ethyl Acetate	4.85	43	495183	51.285	ug/l	99
38) Carbon Tetrachloride	5.78	117	578522	57.037	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120418\
 Data File : VX006268.D
 Acq On : 04 Dec 2018 10:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/5/2018 10:11:22 AM

Quant Time: Dec 04 13:07:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	655325	58.555	ug/l	100
40) Benzene	6.14	78	1455379	56.359	ug/l	98
41) Methacrylonitrile	5.06	41	278499	52.419	ug/l	99
42) 1,2-Dichloroethane	6.20	62	481143	56.930	ug/l	100
43) Isopropyl Acetate	6.46	43	849676	52.780	ug/l	99
44) Trichloroethene	7.21	130	444886	56.869	ug/l	95
45) 1,2-Dichloropropane	7.51	63	365190	55.643	ug/l	97
46) Dibromomethane	7.66	93	268570	56.661	ug/l	98
47) Bromodichloromethane	7.90	83	524579	57.149	ug/l	99
48) Methyl methacrylate	7.77	41	415757	53.087	ug/l	98
49) 1,4-Dioxane	7.75	88	197662	1024.031	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2438426	260.193	ug/l	99
52) Toluene	8.78	92	945856	55.674	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	594093	55.341	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	623525	55.936	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	387890	56.200	ug/l	98
56) Ethyl methacrylate	9.18	69	584777	54.196	ug/l	98
57) 1,3-Dichloropropane	9.37	76	612169	56.090	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	1484360	271.097	ug/l	99
59) 2-Hexanone	9.49	43	1824541	254.827	ug/l	100
60) Dibromochloromethane	9.58	129	470594	55.294	ug/l	99
61) 1,2-Dibromoethane	9.67	107	428762	55.558	ug/l	98
64) Tetrachloroethene	9.34	164	393772	57.205	ug/l	98
65) Chlorobenzene	10.14	112	1106224	57.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	428561	56.848	ug/l	100
67) Ethyl Benzene	10.25	91	1841715	57.071	ug/l	100
68) m/p-Xylenes	10.36	106	1457591	112.757	ug/l	100
69) o-Xylene	10.70	106	707043	55.374	ug/l	99
70) Styrene	10.71	104	1159685	56.155	ug/l	99
71) Bromoform	10.86	173	383682	53.915	ug/l	100
73) Isopropylbenzene	11.02	105	1892052	57.643	ug/l	99
74) N-amyl acetate	10.90	43	731579	51.758	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	561398	53.462	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	540034m	58.865	ug/l	
77) Bromobenzene	11.26	156	506672	55.623	ug/l	98
78) n-propylbenzene	11.36	91	2119671	58.095	ug/l	100
79) 2-Chlorotoluene	11.42	91	1241641	57.255	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1555513	56.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	208871	53.429	ug/l #	77
82) 4-Chlorotoluene	11.51	91	1434228	56.883	ug/l	99
83) tert-Butylbenzene	11.77	119	1667484	57.226	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1601825	56.802	ug/l	100
85) sec-Butylbenzene	11.94	105	1932160	58.286	ug/l	100
86) p-Isopropyltoluene	12.07	119	1738250	58.233	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	919807	56.749	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	917881	55.794	ug/l	99
89) n-Butylbenzene	12.39	91	1501937	58.970	ug/l	100
90) Hexachloroethane	12.60	117	343720	56.498	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	890714	55.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	133813	49.711	ug/l	98

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX120418\
Data File : VX006268.D
Acq On : 04 Dec 2018 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/5/2018 10:11:22 AM

Quant Time: Dec 04 13:07:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	660696	56.297	ug/l	99
94) Hexachlorobutadiene	13.79	225	314344	60.566	ug/l	99
95) Naphthalene	13.83	128	1995208	54.654	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	653049	56.181	ug/l	99

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

