

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006561.D
 Acq On : 17 Dec 2018 09:36
 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
 12/18/2018 9:44:37 AM

Quant Time: Dec 18 00:47:39 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	625125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	941609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	858579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	459673	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	348365	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	5.50	113	320741	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	8.71	98	1156206	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.13	95	451915	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	288427	47.122	ug/l	100
3) Chloromethane	1.33	50	296438	47.129	ug/l	96
4) Vinyl Chloride	1.41	62	319745	47.232	ug/l	97
5) Bromomethane	1.64	94	287465	61.272	ug/l	96
6) Chloroethane	1.71	64	205288	49.458	ug/l	99
7) Trichlorofluoromethane	1.93	101	515354	49.593	ug/l	97
8) Diethyl Ether	2.19	74	188178	47.848	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	304270	51.494	ug/l	99
10) Methyl Iodide	2.51	142	366951	41.208	ug/l	98
11) Tert butyl alcohol	3.07	59	354857	203.333	ug/l	99
12) 1,1-Dichloroethene	2.37	96	279938	49.489	ug/l	94
13) Acrolein	2.29	56	296478	310.818	ug/l	99
14) Allyl chloride	2.73	41	492464	44.073	ug/l	98
15) Acrylonitrile	3.15	53	830187	227.960	ug/l	100
16) Acetone	2.45	43	782858	261.405	ug/l	98
17) Carbon Disulfide	2.57	76	819965	47.043	ug/l	99
18) Methyl Acetate	2.78	43	453495	45.280	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	962316	47.689	ug/l	99
20) Methylene Chloride	2.86	84	308448	48.394	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	302928	50.254	ug/l	93
22) Diisopropyl ether	3.87	45	944219	54.100	ug/l	96
23) Vinyl Acetate	3.82	43	3843384	258.187	ug/l	98
24) 1,1-Dichloroethane	3.70	63	533887	53.518	ug/l	99
25) 2-Butanone	4.70	43	1106672	258.982	ug/l	100
26) 2,2-Dichloropropane	4.58	77	463487	50.343	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	347641	51.703	ug/l	99
28) Bromochloromethane	5.01	49	222101	50.972	ug/l	97
29) Tetrahydrofuran	5.15	42	716954	241.412	ug/l	98
30) Chloroform	5.21	83	563121	53.716	ug/l	97
31) Cyclohexane	5.57	56	476450	51.680	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	508210	50.951	ug/l	99
36) 1,1-Dichloropropene	5.79	75	412773	52.057	ug/l	99
37) Ethyl Acetate	4.85	43	405274	45.640	ug/l	99
38) Carbon Tetrachloride	5.78	117	445759	47.786	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	561841	54.587	ug/l	98
40) Benzene	6.14	78	1236767	52.077	ug/l	100
41) Methacrylonitrile	5.06	41	229720	47.015	ug/l	98
42) 1,2-Dichloroethane	6.20	62	418642	53.861	ug/l	99
43) Isopropyl Acetate	6.46	43	675882	45.652	ug/l	100
44) Trichloroethene	7.21	130	370344	51.475	ug/l	94
45) 1,2-Dichloropropane	7.51	63	312222	51.728	ug/l	99
46) Dibromomethane	7.66	93	228893	52.508	ug/l	95
47) Bromodichloromethane	7.90	83	437078	51.776	ug/l	100
48) Methyl methacrylate	7.77	41	333561	46.312	ug/l	97
49) 1,4-Dioxane	7.75	88	170833	962.345	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2134773	247.689	ug/l	98
52) Toluene	8.78	92	828488	53.025	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	480800	48.700	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	517187	50.449	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	337667	53.197	ug/l	98
56) Ethyl methacrylate	9.18	69	470076	47.371	ug/l	99
57) 1,3-Dichloropropane	9.37	76	538104	53.610	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1182218	234.775	ug/l	99
59) 2-Hexanone	9.49	43	1654324	251.236	ug/l	100
60) Dibromochloromethane	9.58	129	384736	49.154	ug/l	100
61) 1,2-Dibromoethane	9.67	107	368144	51.870	ug/l	99
64) Tetrachloroethene	9.34	164	350135	54.151	ug/l	98
65) Chlorobenzene	10.13	112	970773	53.264	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	340325	48.059	ug/l	98
67) Ethyl Benzene	10.25	91	1613652	53.233	ug/l	100
68) m/p-Xylenes	10.36	106	1295669	106.705	ug/l	99
69) o-Xylene	10.69	106	634519	52.903	ug/l	99
70) Styrene	10.71	104	1038570	53.539	ug/l	99
71) Bromoform	10.85	173	303642	45.424	ug/l	100
73) Isopropylbenzene	11.02	105	1697274	53.467	ug/l	99
74) N-amyl acetate	10.90	43	572948	41.913	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	503209	49.549	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	480092m	54.111	ug/l	
77) Bromobenzene	11.26	156	449006	50.968	ug/l	98
78) n-propylbenzene	11.36	91	1912016	54.185	ug/l	100
79) 2-Chlorotoluene	11.42	91	1109545	52.903	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1419940	53.761	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	158659	41.965	ug/l	89
82) 4-Chlorotoluene	11.51	91	1307302	53.612	ug/l	100
83) tert-Butylbenzene	11.77	119	1455854	51.661	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1456739	53.413	ug/l	99
85) sec-Butylbenzene	11.94	105	1754586	54.729	ug/l	100
86) p-Isopropyltoluene	12.06	119	1579818	54.724	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	822191	52.451	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	828162	52.052	ug/l	99
89) n-Butylbenzene	12.38	91	1379642	56.010	ug/l	99
90) Hexachloroethane	12.60	117	255971	43.505	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	798196	51.307	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	110406	42.409	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	592515	52.204	ug/l	100
94) Hexachlorobutadiene	13.78	225	277691	55.323	ug/l	99
95) Naphthalene	13.83	128	1780634	50.434	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	581578	51.733	ug/l	99

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

