

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\
 Data File : VX006411.D
 Acq On : 11 Dec 2018 10:47
 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
 12/12/2018 10:39:48 AM

Quant Time: Dec 12 04:42:05 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	596854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	913860	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	848841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	453632	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	330863	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
35) Dibromofluoromethane	5.50	113	311064	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	8.71	98	1138741	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	11.13	95	450160	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	317958	54.407	ug/l	99
3) Chloromethane	1.33	50	296069	49.300	ug/l	99
4) Vinyl Chloride	1.41	62	321079	49.676	ug/l	100
5) Bromomethane	1.64	94	283249	63.233	ug/l	97
6) Chloroethane	1.71	64	195067	49.222	ug/l	99
7) Trichlorofluoromethane	1.92	101	509714	51.374	ug/l	96
8) Diethyl Ether	2.19	74	188850	50.293	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	308645	54.709	ug/l	99
10) Methyl Iodide	2.51	142	449429	52.861	ug/l	98
11) Tert butyl alcohol	3.07	59	369528	221.769	ug/l	99
12) 1,1-Dichloroethene	2.37	96	277152	51.318	ug/l	90
13) Acrolein	2.29	56	245498	269.563	ug/l	99
14) Allyl chloride	2.73	41	478274	44.830	ug/l	97
15) Acrylonitrile	3.15	53	844317	242.821	ug/l	99
16) Acetone	2.45	43	885343	309.629	ug/l	96
17) Carbon Disulfide	2.57	76	697524	41.914	ug/l	99
18) Methyl Acetate	2.78	43	472204	49.382	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	966585	50.169	ug/l	99
20) Methylene Chloride	2.85	84	307955	50.605	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	292309	50.789	ug/l	91
22) Diisopropyl ether	3.87	45	874739	52.493	ug/l	96
23) Vinyl Acetate	3.82	43	3754500	264.163	ug/l	98
24) 1,1-Dichloroethane	3.70	63	527575	55.391	ug/l	99
25) 2-Butanone	4.70	43	1149687	281.792	ug/l	98
26) 2,2-Dichloropropane	4.59	77	462806	52.651	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	349022	54.367	ug/l	98
28) Bromochloromethane	5.02	49	222076	53.380	ug/l	99
29) Tetrahydrofuran	5.15	42	695470	245.270	ug/l	97
30) Chloroform	5.21	83	545955	54.545	ug/l	95
31) Cyclohexane	5.57	56	448207	50.920	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	499130	52.411	ug/l	100
36) 1,1-Dichloropropene	5.79	75	393677	51.156	ug/l	99
37) Ethyl Acetate	4.85	43	407676	47.305	ug/l	99
38) Carbon Tetrachloride	5.78	117	445425	49.200	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	529126	52.970	ug/l	98
40) Benzene	6.14	78	1207108	52.371	ug/l	99
41) Methacrylonitrile	5.06	41	230465	48.599	ug/l	99
42) 1,2-Dichloroethane	6.20	62	408110	54.101	ug/l	100
43) Isopropyl Acetate	6.46	43	679189	47.268	ug/l	99
44) Trichloroethene	7.21	130	360288	51.598	ug/l	96
45) 1,2-Dichloropropane	7.51	63	300315	51.266	ug/l	99
46) Dibromomethane	7.66	93	218019	51.532	ug/l	95
47) Bromodichloromethane	7.90	83	411886	50.273	ug/l	99
48) Methyl methacrylate	7.77	41	339095	48.509	ug/l	97
49) 1,4-Dioxane	7.75	88	168871	980.178	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	2062967	246.626	ug/l	98
52) Toluene	8.78	92	805720	53.134	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	465415	48.573	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	502641	50.519	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	340873	55.332	ug/l	99
56) Ethyl methacrylate	9.18	69	501364	52.059	ug/l	96
57) 1,3-Dichloropropane	9.37	76	526629	54.060	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1313083	268.681	ug/l	99
59) 2-Hexanone	9.49	43	1656943	259.274	ug/l	98
60) Dibromochloromethane	9.59	129	373776	49.204	ug/l	99
61) 1,2-Dibromoethane	9.67	107	359848	52.240	ug/l	99
64) Tetrachloroethene	9.34	164	318907	49.887	ug/l	98
65) Chlorobenzene	10.13	112	960490	53.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	351372	50.189	ug/l	99
67) Ethyl Benzene	10.25	91	1568990	52.353	ug/l	99
68) m/p-Xylenes	10.36	106	1268445	105.661	ug/l	100
69) o-Xylene	10.70	106	625609	52.759	ug/l	100
70) Styrene	10.71	104	1013326	52.837	ug/l	99
71) Bromoform	10.86	173	290933	44.022	ug/l #	100
73) Isopropylbenzene	11.02	105	1674096	53.439	ug/l	100
74) N-amyl acetate	10.90	43	616441	45.696	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	501210	50.010	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	468320m	53.487	ug/l	
77) Bromobenzene	11.26	156	445366	51.228	ug/l	98
78) n-propylbenzene	11.36	91	1882708	54.065	ug/l	100
79) 2-Chlorotoluene	11.42	91	1091676	52.744	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1383792	53.090	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	160276	42.957	ug/l	92
82) 4-Chlorotoluene	11.51	91	1264238	52.536	ug/l	99
83) tert-Butylbenzene	11.77	119	1466320	52.725	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1430789	53.160	ug/l	99
85) sec-Butylbenzene	11.94	105	1729039	54.650	ug/l	100
86) p-Isopropyltoluene	12.06	119	1551793	54.469	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	820622	53.048	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	812173	51.727	ug/l	99
89) n-Butylbenzene	12.39	91	1335598	54.944	ug/l	99
90) Hexachloroethane	12.60	117	270665	46.615	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	795826	51.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	114905	44.725	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	592193	52.870	ug/l	100
94) Hexachlorobutadiene	13.78	225	268657	54.236	ug/l	99
95) Naphthalene	13.83	128	1793321	51.470	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	583754	52.618	ug/l	99

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

