

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121718\
 Data File : VX006583.D
 Acq On : 17 Dec 2018 19:52
 Operator : JC/MD
 Sample : J6405-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D1-20181210MS

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 9:44:57 AM

Quant Time: Dec 18 01:37:10 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	574159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	915965	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	839832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	424378	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	297112	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	5.51	113	270112	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
50) Toluene-d8	8.71	98	985692	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
62) 4-Bromofluorobenzene	11.13	95	369253	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	247886	44.094	ug/l	98
3) Chloromethane	1.33	50	270669	46.852	ug/l	99
4) Vinyl Chloride	1.41	62	298624	48.028	ug/l	99
5) Bromomethane	1.64	94	286822	66.562	ug/l	100
6) Chloroethane	1.71	64	194016	50.892	ug/l	100
7) Trichlorofluoromethane	1.93	101	482345	50.537	ug/l	97
8) Diethyl Ether	2.19	74	184905	51.189	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	295350	54.421	ug/l	98
10) Methyl Iodide	2.51	142	442332	54.082	ug/l	98
11) Tert butyl alcohol	3.08	59	386041	240.836	ug/l	99
12) 1,1-Dichloroethene	2.37	96	267786	51.543	ug/l	94
13) Acrolein	2.30	56	250570	286.007	ug/l	99
14) Allyl chloride	2.73	41	455837	44.416	ug/l	99
15) Acrylonitrile	3.15	53	852421	254.842	ug/l	99
16) Acetone	2.45	43	717687	260.916	ug/l	97
17) Carbon Disulfide	2.57	76	667319	41.684	ug/l	99
18) Methyl Acetate	2.78	43	448537	48.761	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	922591	49.779	ug/l	100
20) Methylene Chloride	2.86	84	300053	51.256	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	280430	50.651	ug/l	93
22) Diisopropyl ether	3.87	45	844226	52.665	ug/l	99
23) Vinyl Acetate	3.82	43	3122571	228.385	ug/l	100
24) 1,1-Dichloroethane	3.70	63	481851	52.590	ug/l	100
25) 2-Butanone	4.70	43	1072099	273.162	ug/l	100
26) 2,2-Dichloropropane	4.59	77	317358	37.531	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	337682	54.680	ug/l	97
28) Bromochloromethane	5.02	49	206534	51.606	ug/l	96
29) Tetrahydrofuran	5.15	42	732019	268.364	ug/l	98
30) Chloroform	5.21	83	523408	54.360	ug/l	98
31) Cyclohexane	5.57	56	429063	50.672	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	449997	49.119	ug/l	99
36) 1,1-Dichloropropene	5.80	75	380434	49.321	ug/l	99
37) Ethyl Acetate	4.85	43	383458	44.392	ug/l	100
38) Carbon Tetrachloride	5.78	117	368549	40.615	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	470640	47.006	ug/l	97
40) Benzene	6.14	78	1177892	50.986	ug/l	100
41) Methacrylonitrile	5.06	41	230600	48.516	ug/l	99
42) 1,2-Dichloroethane	6.20	62	396655	52.461	ug/l	100
43) Isopropyl Acetate	6.46	43	618607	42.953	ug/l	99
44) Trichloroethene	7.21	130	1163648	166.267	ug/l	95
45) 1,2-Dichloropropane	7.52	63	288217	49.088	ug/l	99
46) Dibromomethane	7.66	93	211521	49.881	ug/l	94
47) Bromodichloromethane	7.90	83	362094	44.094	ug/l	99
48) Methyl methacrylate	7.77	41	320889	45.800	ug/l	96
49) 1,4-Dioxane	7.76	88	180460	1045.037	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2045870	244.020	ug/l	98
52) Toluene	8.79	92	779001	51.254	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	387551	40.354	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	429038	43.022	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	318640	51.605	ug/l	99
56) Ethyl methacrylate	9.18	69	440902	45.675	ug/l	98
57) 1,3-Dichloropropane	9.37	76	509168	52.148	ug/l	99
59) 2-Hexanone	9.49	43	1553539	242.535	ug/l	99
60) Dibromochloromethane	9.58	129	305391	40.110	ug/l	100
61) 1,2-Dibromoethane	9.67	107	345955	50.108	ug/l	99
64) Tetrachloroethene	9.34	164	321218	50.788	ug/l	98
65) Chlorobenzene	10.14	112	888176	49.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	296965	42.872	ug/l	98
67) Ethyl Benzene	10.25	91	1471390	49.623	ug/l	100
68) m/p-Xylenes	10.36	106	1161242	97.769	ug/l	99
69) o-Xylene	10.70	106	576132	49.108	ug/l	100
70) Stvrene	10.71	104	920953	48.535	ug/l	99
71) Bromoform	10.86	173	219921	33.634	ug/l #	99
73) Isopropylbenzene	11.02	105	1524267	52.010	ug/l	100
74) N-amyl acetate	10.90	43	496995	39.381	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	463149	49.398	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	425087m	51.896	ug/l	
77) Bromobenzene	11.26	156	396929	48.803	ug/l	97
78) n-propylbenzene	11.36	91	1666481	51.154	ug/l	100
79) 2-Chlorotoluene	11.42	91	990571	51.158	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1243060	50.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	108661	31.131	ug/l #	78
82) 4-Chlorotoluene	11.51	91	1137913	50.546	ug/l	99
83) tert-Butylbenzene	11.77	119	1265158	48.628	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	1285906	51.071	ug/l	100
85) sec-Butylbenzene	11.94	105	1511672	51.073	ug/l	100
86) p-Isopropyltoluene	12.06	119	1349366	50.629	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	715249	49.423	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	716313	48.766	ug/l	100
89) n-Butylbenzene	12.39	91	1124067	49.430	ug/l	99
90) Hexachloroethane	12.60	117	187441	34.507	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	711441	49.533	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	97072	40.389	ug/l	93
93) 1,2,4-Trichlorobenzene	13.65	180	490978	46.855	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	214983	46.392	ug/l	99
95) Naphthalene	13.83	128	1615246	49.555	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	498536	48.034	ug/l	99

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

