

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX113018\
 Data File : VX006240.D
 Acq On : 30 Nov 2018 19:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 11:59:44 AM

Quant Time: Dec 01 00:29:25 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	5.67	168	749358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1120942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1022538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	524164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	378186	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.51	113	359903	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	8.71	98	1300760	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.14	95	491885	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	383351	52.247	ug/l	99
3) Chloromethane	1.33	50	366207	48.569	ug/l	97
4) Vinyl Chloride	1.41	62	405741	49.999	ug/l	99
5) Bromomethane	1.64	94	276000	49.076	ug/l	97
6) Chloroethane	1.72	64	261589	52.574	ug/l	99
7) Trichlorofluoromethane	1.93	101	610255	48.990	ug/l	99
8) Diethyl Ether	2.19	74	228650	48.500	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	340034	48.006	ug/l	100
10) Methyl Iodide	2.51	142	545235	51.078	ug/l	100
11) Tert butyl alcohol	3.07	59	488059	233.294	ug/l	100
12) 1,1-Dichloroethene	2.37	96	323684	47.736	ug/l	97
13) Acrolein	2.30	56	246130	215.256	ug/l	99
14) Allyl chloride	2.73	41	636196	47.497	ug/l	100
15) Acrylonitrile	3.15	53	1052130	241.007	ug/l	100
16) Acetone	2.45	43	885298	246.603	ug/l	100
17) Carbon Disulfide	2.57	76	988924	47.330	ug/l	98
18) Methyl Acetate	2.78	43	587050	48.898	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	1178490	48.720	ug/l	100
20) Methylene Chloride	2.86	84	360921	47.239	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	347951	48.153	ug/l	96
22) Diisopropyl ether	3.87	45	1038683	49.646	ug/l	99
23) Vinyl Acetate	3.82	43	4436383	248.615	ug/l	100
24) 1,1-Dichloroethane	3.70	63	608220	50.862	ug/l	99
25) 2-Butanone	4.70	43	1273506	248.616	ug/l	100
26) 2,2-Dichloropropane	4.59	77	502335	45.517	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	401408	49.802	ug/l	98
28) Bromochloromethane	5.03	49	268467	51.398	ug/l	99
29) Tetrahydrofuran	5.15	42	860589	241.735	ug/l	99
30) Chloroform	5.22	83	622949	49.572	ug/l	97
31) Cyclohexane	5.57	56	528665	47.837	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	589414	49.296	ug/l	100
36) 1,1-Dichloropropene	5.80	75	458165	48.537	ug/l	100
37) Ethyl Acetate	4.85	43	503058	47.589	ug/l	99
38) Carbon Tetrachloride	5.78	117	549032	49.441	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	586116	47.835	ug/l	100
40) Benzene	6.14	78	1398906	49.480	ug/l	99
41) Methacrylonitrile	5.06	41	275845	47.423	ug/l	99
42) 1,2-Dichloroethane	6.20	62	461784	49.907	ug/l	100
43) Isopropyl Acetate	6.46	43	843195	47.841	ug/l	99
44) Trichloroethene	7.21	130	425405	49.669	ug/l	97
45) 1,2-Dichloropropane	7.51	63	353754	49.232	ug/l	99
46) Dibromomethane	7.66	93	257189	49.560	ug/l	99
47) Bromodichloromethane	7.90	83	498897	49.644	ug/l	99
48) Methyl methacrylate	7.77	41	418208	48.775	ug/l	99
49) 1,4-Dioxane	7.75	88	202123	956.450	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2479613	241.672	ug/l	99
52) Toluene	8.79	92	917273	49.315	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	566149	48.171	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	592220	48.526	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	380949	50.414	ug/l	99
56) Ethyl methacrylate	9.18	69	581122	49.193	ug/l	99
57) 1,3-Dichloropropane	9.37	76	598163	50.060	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1435620	239.487	ug/l	100
59) 2-Hexanone	9.49	43	1863410	237.715	ug/l	100
60) Dibromochloromethane	9.59	129	460700	49.443	ug/l	99
61) 1,2-Dibromoethane	9.67	107	418277	49.505	ug/l	99
64) Tetrachloroethene	9.34	164	394160	51.185	ug/l	96
65) Chlorobenzene	10.14	112	1069795	49.285	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	418852	49.664	ug/l	100
67) Ethyl Benzene	10.25	91	1767041	48.946	ug/l	99
68) m/p-Xylenes	10.36	106	1406281	97.244	ug/l	99
69) o-Xylene	10.70	106	690218	48.320	ug/l	98
70) Styrene	10.71	104	1132134	49.004	ug/l	99
71) Bromoform	10.86	173	390636	49.067	ug/l	99
73) Isopropylbenzene	11.02	105	1823580	50.378	ug/l	100
74) N-amyl acetate	10.90	43	744400	47.756	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	569067	49.140	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	444148m	43.900	ug/l	
77) Bromobenzene	11.26	156	504466	50.218	ug/l	99
78) n-propylbenzene	11.36	91	2026849	50.372	ug/l	100
79) 2-Chlorotoluene	11.42	91	1196664	50.037	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1505985	50.003	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	205696	47.712	ug/l	95
82) 4-Chlorotoluene	11.51	91	1382109	49.706	ug/l	100
83) tert-Butylbenzene	11.77	119	1601690	49.843	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1537558	49.440	ug/l	100
85) sec-Butylbenzene	11.94	105	1841228	50.365	ug/l	100
86) p-Isopropyltoluene	12.07	119	1643746	49.933	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	886849	49.615	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	877011	48.340	ug/l	99
89) n-Butylbenzene	12.39	91	1393955	49.628	ug/l	100
90) Hexachloroethane	12.60	117	335186	49.959	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	874012	49.268	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	138418	46.628	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	643284	49.703	ug/l	100
94) Hexachlorobutadiene	13.78	225	288204	50.353	ug/l	98
95) Naphthalene	13.83	128	1997450	49.615	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	640512	49.965	ug/l	98

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

