

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112018\
 Data File : VX006106.D
 Acq On : 20 Nov 2018 17:43
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 10:37:08 AM

Quant Time: Nov 21 08:06:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 07:49:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	317437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	418733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227288	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	18065	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
35) Dibromofluoromethane	5.51	113	14167	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	8.71	98	53710	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
62) 4-Bromofluorobenzene	11.14	95	18817	4.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	12430	5.27	ug/l	98
3) Chloromethane	1.32	50	15208	5.10	ug/l	100
4) Vinyl Chloride	1.41	62	14834	4.89	ug/l	95
5) Bromomethane	1.64	94	11174	5.32	ug/l	99
6) Chloroethane	1.71	64	8755	4.69	ug/l	# 88
7) Trichlorofluoromethane	1.93	101	20476	5.16	ug/l	98
8) Diethyl Ether	2.19	74	8297	4.95	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	12351	5.25	ug/l	99
10) Methyl Iodide	2.51	142	12487	4.24	ug/l	98
11) Tert butyl alcohol	3.07	59	19713	25.19	ug/l	95
12) 1,1-Dichloroethene	2.37	96	11549	5.04	ug/l	94
13) Acrolein	2.29	56	13282	28.37	ug/l	100
14) Allyl chloride	2.73	41	21963	4.68	ug/l	96
15) Acrylonitrile	3.15	53	42646	24.68	ug/l	100
16) Acetone	2.45	43	38556	23.62	ug/l	99
17) Carbon Disulfide	2.57	76	29664	4.79	ug/l	96
18) Methyl Acetate	2.78	43	20611	4.92	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	39283	4.96	ug/l	99
20) Methylene Chloride	2.86	84	13465	5.01	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	12509	5.22	ug/l	95
22) Diisopropyl ether	3.87	45	45048	4.49	ug/l	98
23) Vinyl Acetate	3.82	43	173189	20.79	ug/l	# 95
24) 1,1-Dichloroethane	3.69	63	22871	4.84	ug/l	97
25) 2-Butanone	4.70	43	70786	23.36	ug/l	99
26) 2,2-Dichloropropane	4.58	77	19161	4.92	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	16199	4.83	ug/l	97
28) Bromochloromethane	5.01	49	13173	4.78	ug/l	94
29) Tetrahydrofuran	5.15	42	43868	23.21	ug/l	98
30) Chloroform	5.21	83	28768	5.02	ug/l	95
31) Cyclohexane	5.57	56	23739	4.81	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	22559	4.87	ug/l	98
36) 1,1-Dichloropropene	5.80	75	19552	4.78	ug/l	94
37) Ethyl Acetate	4.85	43	24277	4.61	ug/l	97
38) Carbon Tetrachloride	5.78	117	18786	4.88	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	22366	4.80	ug/l	97
40) Benzene	6.14	78	61482	5.10	ug/l	98
41) Methacrylonitrile	5.06	41	14747	5.08	ug/l	98
42) 1,2-Dichloroethane	6.20	62	21901	4.86	ug/l	98
43) Isopropyl Acetate	6.46	43	34855	4.58	ug/l	96
44) Trichloroethene	7.21	130	17264	5.15	ug/l	93
45) 1,2-Dichloropropane	7.51	63	16239	5.09	ug/l	91
46) Dibromomethane	7.66	93	10880	4.98	ug/l	99
47) Bromodichloromethane	7.90	83	19074	4.72	ug/l	97
48) Methyl methacrylate	7.77	41	16911	4.38	ug/l	95
49) 1,4-Dioxane	7.75	88	8602	94.00	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	128547	23.58	ug/l	99
52) Toluene	8.78	92	37808	5.07	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	18901	4.48	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	21620	4.64	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	15866	4.91	ug/l	98
56) Ethyl methacrylate	9.18	69	18273	4.12	ug/l	93
57) 1,3-Dichloropropane	9.37	76	26656	5.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	59252	23.24	ug/l	99
59) 2-Hexanone	9.49	43	100504	23.23	ug/l	96
60) Dibromochloromethane	9.58	129	14217	4.49	ug/l	98
61) 1,2-Dibromoethane	9.67	107	16321	4.90	ug/l	98
64) Tetrachloroethene	9.34	164	18614	5.40	ug/l	97
65) Chlorobenzene	10.14	112	44608	5.19	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	14150	4.80	ug/l	97
67) Ethyl Benzene	10.25	91	68731	4.89	ug/l	96
68) m/p-Xylenes	10.36	106	53159	9.71	ug/l	98
69) o-Xylene	10.70	106	25336	4.84	ug/l	100
70) Styrene	10.71	104	39278	4.61	ug/l	97
71) Bromoform	10.85	173	11477	4.35	ug/l #	98
73) Isopropylbenzene	11.02	105	67935	4.94	ug/l	98
74) N-amyl acetate	10.90	43	26119	4.18	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	25483	4.92	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	23708m	5.07	ug/l	
77) Bromobenzene	11.26	156	19422	5.04	ug/l	97
78) n-propylbenzene	11.36	91	77737	4.85	ug/l	99
79) 2-Chlorotoluene	11.42	91	49427	5.10	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	56376	4.86	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	5649	4.08	ug/l #	82
82) 4-Chlorotoluene	11.51	91	56401	4.99	ug/l	99
83) tert-Butylbenzene	11.77	119	54849	4.85	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	57203	4.84	ug/l	98
85) sec-Butylbenzene	11.94	105	69278	5.00	ug/l	99
86) p-Isopropyltoluene	12.07	119	59657	4.83	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	36308	5.11	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	37373	5.08	ug/l	93
89) n-Butylbenzene	12.39	91	51624	4.62	ug/l	98
90) Hexachloroethane	12.60	117	8917	4.53	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	36152	4.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	5367	4.46	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	24001	4.69	ug/l	99
94) Hexachlorobutadiene	13.79	225	12571	5.04	ug/l	97
95) Naphthalene	13.83	128	64439	4.28	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	25189	4.83	ug/l	99

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

