

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062518\
 Data File : VX002857.D
 Acq On : 25 Jun 2018 11:21
 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
 6/28/2018 12:00:09 PM

Quant Time: Jun 25 12:50:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 12:41:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	366386	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	207707	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	20178	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	
35) Dibromofluoromethane	5.51	113	15431	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
50) Toluene-d8	8.72	98	54364	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
62) 4-Bromofluorobenzene	11.14	95	19656	4.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	15577	5.57	ug/l	95
3) Chloromethane	1.32	50	14836	4.46	ug/l	92
4) Vinyl Chloride	1.41	62	16721	4.84	ug/l	# 84
5) Bromomethane	1.64	94	9696	4.65	ug/l	97
6) Chloroethane	1.71	64	10786	4.74	ug/l	98
7) Trichlorofluoromethane	1.93	101	26537	4.73	ug/l	96
8) Diethyl Ether	2.19	74	9441	4.42	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	15442	4.92	ug/l	98
10) Methyl Iodide	2.51	142	11380	2.95	ug/l	99
11) Tert butyl alcohol	3.08	59	18390	22.21	ug/l	95
12) 1,1-Dichloroethene	2.37	96	13376	4.54	ug/l	97
13) Acrolein	2.29	56	13936	33.20	ug/l	94
14) Allyl chloride	2.73	41	26262	4.49	ug/l	99
15) Acrylonitrile	3.15	53	39366	21.79	ug/l	99
16) Acetone	2.45	43	38462	21.77	ug/l	98
17) Carbon Disulfide	2.57	76	36377	5.21	ug/l	99
18) Methyl Acetate	2.78	43	19564	4.16	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	48071	4.35	ug/l	98
20) Methylene Chloride	2.86	84	15534	4.29	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	15077	4.72	ug/l	88
22) Diisopropyl ether	3.87	45	49292	4.66	ug/l	98
23) Vinyl Acetate	3.82	43	213591	24.13	ug/l	99
24) 1,1-Dichloroethane	3.70	63	27890	4.86	ug/l	97
25) 2-Butanone	4.71	43	57615	24.83	ug/l	98
26) 2,2-Dichloropropane	4.58	77	21426	5.19	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	16088	4.95	ug/l	33
28) Bromochloromethane	5.03	49	12977	4.83	ug/l	95
29) Tetrahydrofuran	5.17	42	36228	23.82	ug/l	97
30) Chloroform	5.22	83	27971	5.05	ug/l	98
31) Cyclohexane	5.58	56	23152	4.90	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	23966	5.18	ug/l	99
36) 1,1-Dichloropropene	5.80	75	20268	5.21	ug/l	99
37) Ethyl Acetate	4.87	43	22128	5.02	ug/l	98
38) Carbon Tetrachloride	5.78	117	20673	5.34	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	23027	5.06	ug/l	97
40) Benzene	6.15	78	58491	5.01	ug/l	100
41) Methacrylonitrile	5.07	41	11893	4.78	ug/l	93
42) 1,2-Dichloroethane	6.21	62	23777	5.26	ug/l	100
43) Isopropyl Acetate	6.47	43	34586	4.74	ug/l	98
44) Trichloroethene	7.21	130	17039	5.06	ug/l	100
45) 1,2-Dichloropropane	7.52	63	15819	5.15	ug/l	100
46) Dibromomethane	7.67	93	10553	5.14	ug/l	98
47) Bromodichloromethane	7.90	83	18243	5.04	ug/l #	97
48) Methyl methacrylate	7.78	41	17375	4.66	ug/l	99
49) 1,4-Dioxane	7.76	88	7191	101.83	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	110844	23.66	ug/l	99
52) Toluene	8.79	92	36052	4.84	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	20274	4.76	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	18733	4.74	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	14881	4.95	ug/l	99
56) Ethyl methacrylate	9.19	69	21240	4.59	ug/l	98
57) 1,3-Dichloropropane	9.37	76	24490	4.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	50289	22.47	ug/l	99
59) 2-Hexanone	9.50	43	82307	23.31	ug/l	100
60) Dibromochloromethane	9.59	129	13915	4.79	ug/l	100
61) 1,2-Dibromoethane	9.68	107	15197	4.88	ug/l	96
64) Tetrachloroethene	9.34	164	19142	5.01	ug/l	97
65) Chlorobenzene	10.14	112	43338	5.13	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	14956	5.19	ug/l	99
67) Ethyl Benzene	10.26	91	70173	4.92	ug/l	100
68) m/p-Xylenes	10.36	106	53895	9.80	ug/l	97
69) o-Xylene	10.70	106	25926	4.80	ug/l	99
70) Styrene	10.71	104	41202	4.64	ug/l	99
71) Bromoform	10.86	173	10328	4.77	ug/l #	98
73) Isopropylbenzene	11.02	105	68950	4.96	ug/l	98
74) N-amyl acetate	6.47	43	34586	5.01	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	22407	5.46	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	19266m	4.92	ug/l	
77) Bromobenzene	11.26	156	19910	5.14	ug/l	98
78) n-propylbenzene	11.37	91	77752	4.88	ug/l	99
79) 2-Chlorotoluene	11.43	91	48582	5.11	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	56873	4.84	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	4653	4.49	ug/l	87
82) 4-Chlorotoluene	11.51	91	56879	5.07	ug/l	98
83) tert-Butylbenzene	11.77	119	56999	5.04	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	58828	4.91	ug/l	97
85) sec-Butylbenzene	11.95	105	69359	4.93	ug/l	99
86) p-Isopropyltoluene	12.07	119	60717	4.77	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	36465	5.14	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	37194	5.15	ug/l	95
89) n-Butylbenzene	12.39	91	50466	4.50	ug/l	99
90) Hexachloroethane	12.60	117	7834	4.46	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	37150	5.20	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4204	4.89	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	24695	4.76	ug/l	97
94) Hexachlorobutadiene	13.79	225	12840	4.70	ug/l	97
95) Naphthalene	13.84	128	65570	4.70	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	26067	5.01	ug/l	99

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

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