

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112018\
 Data File : VX006105.D
 Acq On : 20 Nov 2018 17:14
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/21/2018 10:37:04 AM

Quant Time: Nov 21 08:03:31 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	271806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391267	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	367937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	187427	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2230	1.10	ug/l	91
3) Chloromethane	1.32	50	2773	1.09	ug/l	99
4) Vinyl Chloride	1.40	62	2981	1.15	ug/l	95
5) Bromomethane	1.64	94	1427	0.79	ug/l	84
6) Chloroethane	1.73	64	1734	1.08	ug/l	98
7) Trichlorofluoromethane	1.93	101	3567	1.05	ug/l	98
8) Diethyl Ether	2.19	74	1855	1.29	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2305	1.14	ug/l #	92
12) 1,1-Dichloroethene	2.38	96	2410	1.23	ug/l	90
14) Allyl chloride	2.73	41	4776	1.19	ug/l	93
15) Acrylonitrile	3.14	53	8118	5.49	ug/l	96
16) Acetone	2.44	43	9059	6.48	ug/l	98
17) Carbon Disulfide	2.57	76	5719	1.08	ug/l #	81
18) Methyl Acetate	2.78	43	3656	1.02	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	7649	1.13	ug/l	96
20) Methylene Chloride	2.85	84	3072	1.33	ug/l #	76
21) trans-1,2-Dichloroethene	3.17	96	2123	1.03	ug/l	84
22) Diisopropyl ether	3.86	45	8253	0.96	ug/l #	81
23) Vinyl Acetate	3.82	43	33926	4.76	ug/l	98
24) 1,1-Dichloroethane	3.70	63	4575	1.13	ug/l #	94
25) 2-Butanone	4.69	43	14295	5.51	ug/l	96
26) 2,2-Dichloropropane	4.59	77	3752	1.12	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	3307	1.15	ug/l	90
28) Bromochloromethane	5.01	49	2678	1.13	ug/l	94
29) Tetrahydrofuran	5.16	42	7783	4.81	ug/l #	83
30) Chloroform	5.21	83	5731	1.17	ug/l	96
31) Cyclohexane	5.57	56	4608	1.09	ug/l #	93
32) 1,1,1-Trichloroethane	5.50	97	4092	1.03	ug/l #	47
36) 1,1-Dichloropropene	5.80	75	4094	1.15	ug/l #	94
37) Ethyl Acetate	4.85	43	5318	1.16	ug/l #	88
38) Carbon Tetrachloride	5.79	117	3317	0.99	ug/l #	92
39) Methylcyclohexane	7.46	83	4255	1.05	ug/l	90
40) Benzene	6.14	78	11084	1.06	ug/l	95
41) Methacrylonitrile	5.06	41	2512	1.00	ug/l #	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	4586	1.17	ug/l	92
43) Isopropyl Acetate	6.46	43	6620	1.00	ug/l #	96
44) Trichloroethene	7.21	130	3021	1.04	ug/l	97
45) 1,2-Dichloropropane	7.52	63	2845	1.03	ug/l	91
46) Dibromomethane	7.66	93	2167	1.14	ug/l	91
47) Bromodichloromethane	7.90	83	3884	1.10	ug/l #	97
48) Methyl methacrylate	7.78	41	2850	0.85	ug/l	88
49) 1,4-Dioxane	7.76	88	1521	19.11	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	19608	4.14	ug/l	98
52) Toluene	8.78	92	6067	0.94	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	3473	0.95	ug/l	93
54) cis-1,3-Dichloropropene	8.43	75	3835	0.95	ug/l	92
55) 1,1,2-Trichloroethane	9.22	97	3132	1.11	ug/l	90
56) Ethyl methacrylate	9.18	69	3114	0.81	ug/l	96
57) 1,3-Dichloropropane	9.37	76	4940	1.07	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.31	63	7865	3.55	ug/l	90
59) 2-Hexanone	9.49	43	15170	4.03	ug/l	93
60) Dibromochloromethane	9.59	129	2696	0.98	ug/l	99
61) 1,2-Dibromoethane	9.68	107	2902	1.00	ug/l	96
64) Tetrachloroethene	9.34	164	3073	1.01	ug/l	90
65) Chlorobenzene	10.14	112	7494	0.99	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	2583	1.00	ug/l #	62
67) Ethyl Benzene	10.25	91	10911	0.88	ug/l	96
68) m/p-Xylenes	10.36	106	8535	1.77	ug/l	89
69) o-Xylene	10.70	106	3869	0.84	ug/l	96
70) Styrene	10.71	104	5700	0.76	ug/l	92
71) Bromoform	10.86	173	2334	1.01	ug/l #	91
73) Isopropylbenzene	11.02	105	9505	0.84	ug/l	96
74) N-amyl acetate	10.90	43	4117	0.80	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	4728	1.11	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	4167m	1.08	ug/l	
77) Bromobenzene	11.26	156	3177	1.00	ug/l	98
78) n-propylbenzene	11.36	91	11015	0.83	ug/l	99
79) 2-Chlorotoluene	11.42	91	7282	0.91	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	7596	0.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	1051	0.92	ug/l #	62
82) 4-Chlorotoluene	11.51	91	7701	0.83	ug/l	89
83) tert-Butylbenzene	11.77	119	7457	0.80	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	7345	0.75	ug/l	99
85) sec-Butylbenzene	11.94	105	8774	0.77	ug/l	95
86) p-Isopropyltoluene	12.07	119	7882	0.77	ug/l	88
87) 1,3-Dichlorobenzene	12.02	146	5741	0.98	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	6472m	1.07	ug/l	
89) n-Butylbenzene	12.39	91	7569	0.82	ug/l	95
90) Hexachloroethane	12.60	117	1523	0.94	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	6144	1.03	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1034	1.04	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	3876	0.92	ug/l	93
94) Hexachlorobutadiene	13.78	225	2203	1.07	ug/l	91
95) Naphthalene	13.83	128	9748	0.79	ug/l #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	4021	0.93	ug/l	96

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

