

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071318\
 Data File : VX003367.D
 Acq On : 13 Jul 2018 15:03
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:24:43 AM

Quant Time: Jul 13 15:50:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071318W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 13 13:46:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	309786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	441129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	417346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	241064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	23721	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
35) Dibromofluoromethane	5.50	113	19918	4.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.40%	
50) Toluene-d8	8.72	98	76355	4.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.08%	
62) 4-Bromofluorobenzene	11.14	95	27501	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	15395	3.27	ug/l	99
3) Chloromethane	1.32	50	19318	4.51	ug/l	99
4) Vinyl Chloride	1.40	62	21891	4.98	ug/l	95
5) Bromomethane	1.64	94	14390	8.28	ug/l	99
6) Chloroethane	1.72	64	14148	5.81	ug/l	99
7) Trichlorofluoromethane	1.92	101	31350	4.80	ug/l	96
8) Diethyl Ether	2.19	74	13458	5.70	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	19840	5.19	ug/l	99
10) Methyl Iodide	2.51	142	17482	4.61	ug/l	94
11) Tert butyl alcohol	3.08	59	23137	26.18	ug/l	96
12) 1,1-Dichloroethene	2.37	96	18356	5.27	ug/l	89
13) Acrolein	2.29	56	13869	19.47	ug/l	100
14) Allyl chloride	2.73	41	34147	5.30	ug/l	90
15) Acrylonitrile	3.15	53	57522	29.14	ug/l	99
16) Acetone	2.45	43	44678	25.81	ug/l #	88
17) Carbon Disulfide	2.57	76	46330	4.79	ug/l	99
18) Methyl Acetate	2.78	43	25999	5.32	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	64618	5.56	ug/l	99
20) Methylene Chloride	2.86	84	21973	5.62	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	20185	5.44	ug/l	96
22) Diisopropyl ether	3.87	45	64054	4.88	ug/l	98
23) Vinyl Acetate	3.82	43	266658	23.94	ug/l	97
24) 1,1-Dichloroethane	3.70	63	38439	5.63	ug/l	98
25) 2-Butanone	4.71	43	70972	23.17	ug/l	93
26) 2,2-Dichloropropane	4.59	77	27508	4.61	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	22486	4.93	ug/l	46
28) Bromochloromethane	5.02	49	17408	5.06	ug/l	93
29) Tetrahydrofuran	5.17	42	45200	22.74	ug/l	92
30) Chloroform	5.21	83	36196	4.82	ug/l	96
31) Cyclohexane	5.57	56	30233	4.73	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	29076	4.39	ug/l	98
36) 1,1-Dichloropropene	5.80	75	26167	4.19	ug/l	97
37) Ethyl Acetate	4.87	43	27184	3.97	ug/l #	92
38) Carbon Tetrachloride	5.78	117	25319	3.71	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29802	4.05	ug/l	95
40) Benzene	6.15	78	81320	4.39	ug/l	98
41) Methacrylonitrile	5.07	41	15998	4.27	ug/l	94
42) 1,2-Dichloroethane	6.20	62	27963	4.04	ug/l	96
43) Isopropyl Acetate	6.47	43	42407	3.94	ug/l	94
44) Trichloroethene	7.22	130	23645	4.32	ug/l	95
45) 1,2-Dichloropropane	7.52	63	21346	4.44	ug/l	97
46) Dibromomethane	7.67	93	13629	4.16	ug/l	98
47) Bromodichloromethane	7.90	83	24171	3.99	ug/l	96
48) Methyl methacrylate	7.78	41	20774	3.77	ug/l #	86
49) 1,4-Dioxane	7.76	88	9665	83.84	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	138310	20.67	ug/l	94
52) Toluene	8.79	92	51902	4.44	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	28867	4.05	ug/l	97
54) cis-1,3-Dichloropropene	9.04	75	25630	3.96	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	21248	4.38	ug/l	95
56) Ethyl methacrylate	9.18	69	28762	4.33	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	34825	4.45	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	68899	21.49	ug/l	97
59) 2-Hexanone	9.50	43	101524	19.97	ug/l	91
60) Dibromochloromethane	9.59	129	18999	3.75	ug/l	99
61) 1,2-Dibromoethane	9.68	107	21190	4.17	ug/l	99
64) Tetrachloroethene	9.34	164	25762	4.08	ug/l	94
65) Chlorobenzene	10.14	112	59948	4.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	20041	3.92	ug/l	99
67) Ethyl Benzene	10.26	91	96267	4.20	ug/l	99
68) m/p-Xylenes	10.36	106	73315	8.22	ug/l	99
69) o-Xylene	10.70	106	35964	4.16	ug/l	98
70) Styrene	10.71	104	57576	4.11	ug/l	98
71) Bromoform	10.86	173	13810	3.28	ug/l #	99
73) Isopropylbenzene	11.02	105	96091	5.05	ug/l	100
74) N-amyl acetate	6.47	43	42407	4.67	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	31363	5.31	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	27033m	5.19	ug/l	
77) Bromobenzene	11.26	156	27659	5.03	ug/l	98
78) n-propylbenzene	11.36	91	105874	5.00	ug/l	99
79) 2-Chlorotoluene	11.42	91	67338	5.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	78208	4.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	6753	4.24	ug/l	92
82) 4-Chlorotoluene	11.51	91	77310	5.14	ug/l	98
83) tert-Butylbenzene	11.77	119	75470	4.77	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	79033	4.87	ug/l	97
85) sec-Butylbenzene	11.95	105	92256	4.93	ug/l	100
86) p-Isopropyltoluene	12.07	119	81813	4.80	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	50527	5.01	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	51138	5.01	ug/l	96
89) n-Butylbenzene	12.39	91	68482	4.81	ug/l	99
90) Hexachloroethane	12.60	117	10595	4.07	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	49787	4.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	5277	4.17	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	33826	4.59	ug/l	99
94) Hexachlorobutadiene	13.79	225	16514	4.50	ug/l	99
95) Naphthalene	13.83	128	91570	4.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	34196	4.65	ug/l	100

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

