

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102618\
 Data File : VX005647.D
 Acq On : 27 Oct 2018 10:53
 Operator : JC/MD
 Sample : J5692-11MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FT-PZ459I-20181025MS

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:41:14 PM

Quant Time: Oct 29 02:32:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	350136	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	191188	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	133735	50.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.68%		
35) Dibromofluoromethane	5.51	113	110615	46.66	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.32%		
50) Toluene-d8	8.71	98	367404	43.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.26%		
62) 4-Bromofluorobenzene	11.14	95	142181	44.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	88.40%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	134400	62.570	ug/l	95
3) Chloromethane	1.32	50	140397	51.325	ug/l #	88
4) Vinyl Chloride	1.41	62	150245	55.858	ug/l	91
5) Bromomethane	1.64	94	71089	42.475	ug/l	93
6) Chloroethane	1.71	64	91152	53.048	ug/l	96
7) Trichlorofluoromethane	1.93	101	186371	49.866	ug/l	97
8) Diethyl Ether	2.19	74	73184	49.067	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	100007	46.637	ug/l	98
10) Methyl Iodide	2.51	142	106682	47.764	ug/l	98
11) Tert butyl alcohol	3.07	59	179602	251.247	ug/l	100
12) 1,1-Dichloroethene	2.37	96	98402	48.171	ug/l	86
13) Acrolein	2.29	56	77857	213.514	ug/l	97
14) Allyl chloride	2.73	41	209828	46.024	ug/l	97
15) Acrylonitrile	3.15	53	421952	263.235	ug/l	98
16) Acetone	2.45	43	370034	263.613	ug/l	91
17) Carbon Disulfide	2.57	76	303494	48.738	ug/l	99
18) Methyl Acetate	2.78	43	202335	58.600	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	360632	49.491	ug/l	98
20) Methylene Chloride	2.85	84	115863	49.283	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	110533	49.557	ug/l	96
22) Diisopropyl ether	3.87	45	403730	50.710	ug/l #	89
23) Vinyl Acetate	3.82	43	1799446	256.634	ug/l	99
24) 1,1-Dichloroethane	3.70	63	223115	51.546	ug/l	99
25) 2-Butanone	4.70	43	605803	283.409	ug/l	93
26) 2,2-Dichloropropane	4.58	77	97061	29.045	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	120739	50.213	ug/l	98
28) Bromochloromethane	5.02	49	111815	53.410	ug/l	98
29) Tetrahydrofuran	5.15	42	367489	264.177	ug/l	97
30) Chloroform	5.21	83	210815	52.067	ug/l	90
31) Cyclohexane	5.57	56	183231	51.162	ug/l #	88
32) 1,1,1-Trichloroethane	5.49	97	173911	48.666	ug/l	99
36) 1,1-Dichloropropene	5.79	75	160118	47.122	ug/l	99
37) Ethyl Acetate	4.85	43	210352	48.513	ug/l	98
38) Carbon Tetrachloride	5.77	117	159937	44.690	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	164071	43.728	ug/l	86
40) Benzene	6.14	78	481074	49.389	ug/l	99
41) Methacrylonitrile	5.06	41	113716	47.081	ug/l	99
42) 1,2-Dichloroethane	6.20	62	175810	47.512	ug/l	99
43) Isopropyl Acetate	6.45	43	305634	47.038	ug/l	98
44) Trichloroethene	7.21	130	122597	46.201	ug/l	86
45) 1,2-Dichloropropane	7.51	63	115124	43.961	ug/l	100
46) Dibromomethane	7.66	93	73727	43.590	ug/l	99
47) Bromodichloromethane	7.90	83	160172	48.793	ug/l	93
48) Methyl methacrylate	7.77	41	156375	49.402	ug/l	98
49) 1,4-Dioxane	7.75	88	63011	910.903	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	987138	226.056	ug/l	100
52) Toluene	8.79	92	258581	43.681	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	148029	41.724	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	158493	41.493	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	107330	43.004	ug/l	97
56) Ethyl methacrylate	9.18	69	171599	46.095	ug/l	99
57) 1,3-Dichloropropane	9.37	76	184216	43.622	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	437977	210.649	ug/l	100
59) 2-Hexanone	9.49	43	785846	228.245	ug/l	99
60) Dibromochloromethane	9.59	129	115304	44.280	ug/l	100
61) 1,2-Dibromoethane	9.67	107	112988	43.759	ug/l	99
64) Tetrachloroethene	9.34	164	109436	44.903	ug/l	98
65) Chlorobenzene	10.14	112	293444	46.938	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	110521	48.483	ug/l	98
67) Ethyl Benzene	10.25	91	506128	49.206	ug/l	100
68) m/p-Xylenes	10.36	106	419226	105.053	ug/l	100
69) o-Xylene	10.70	106	193140	51.443	ug/l	98
70) Styrene	10.71	104	320031	50.919	ug/l	96
71) Bromoform	10.86	173	102059	50.173	ug/l	99
73) Isopropylbenzene	11.02	105	525164	44.936	ug/l	99
74) N-amyl acetate	10.90	43	275582	47.589	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	180652	41.898	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	166881m	41.197	ug/l	
77) Bromobenzene	11.26	156	136881	42.026	ug/l	100
78) n-propylbenzene	11.36	91	642860	48.105	ug/l	100
79) 2-Chlorotoluene	11.42	91	389209	46.973	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	441161	44.126	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	44290	35.726	ug/l	98
82) 4-Chlorotoluene	11.51	91	440237	45.058	ug/l	99
83) tert-Butylbenzene	11.77	119	494571	49.627	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	543484	53.638	ug/l	96
85) sec-Butylbenzene	11.94	105	622188	52.322	ug/l	100
86) p-Isopropyltoluene	12.07	119	575422	54.130	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	328560	53.644	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	313746	49.075	ug/l	99
89) n-Butylbenzene	12.39	91	513250	53.481	ug/l	99
90) Hexachloroethane	12.60	117	98354	53.644	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	327641	52.874	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	56203	53.910	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	189293	42.140	ug/l	100
94) Hexachlorobutadiene	13.79	225	108811	46.744	ug/l	97
95) Naphthalene	13.83	128	811656	62.162	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	257600	56.573	ug/l	96

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

