

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000229.D
 Acq On : 08 Oct 2019 19:15
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:26 AM

Quant Time: Oct 09 09:21:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 09:14:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	259023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	434982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	374868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	171077	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	156842	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.73	113	124121	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
50) Toluene-d8	10.19	98	470640	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	
62) 4-Bromofluorobenzene	12.48	95	158754	42.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	1115	0.431	ug/l	88
3) Chloromethane	2.11	50	2209	0.627	ug/l	96
4) Vinyl Chloride	2.25	62	1766	0.486	ug/l	92
5) Bromomethane	2.65	94	1665	0.726	ug/l	88
6) Chloroethane	2.79	64	1233	0.537	ug/l #	79
7) Trichlorofluoromethane	3.12	101	2479	0.528	ug/l	91
8) Diethyl Ether	3.52	74	1083	0.504	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	1658	0.604	ug/l #	68
10) Methyl Iodide	4.11	142	928m	0.229	ug/l	
11) Tert butyl alcohol	4.94	59	7782m	4.300	ug/l	
12) 1,1-Dichloroethene	3.89	96	1262m	0.443	ug/l	
13) Acrolein	3.74	56	2546	2.680	ug/l	91
14) Allyl chloride	4.50	41	2864m	0.597	ug/l	
15) Acrylonitrile	5.18	53	7310	2.288	ug/l #	93
16) Acetone	3.97	43	7911	2.998	ug/l	92
17) Carbon Disulfide	4.19	76	4023	0.479	ug/l #	85
18) Methyl Acetate	4.49	43	3622	0.501	ug/l	92
19) Methyl tert-butyl Ether	5.23	73	4854	0.466	ug/l	91
20) Methylene Chloride	4.71	84	2543	0.734	ug/l #	73
21) trans-1,2-Dichloroethene	5.24	96	1451	0.453	ug/l #	72
22) Diisopropyl ether	6.14	45	5160	0.464	ug/l #	91
23) Vinyl Acetate	6.07	43	21356	2.121	ug/l	99
24) 1,1-Dichloroethane	6.03	63	2997	0.528	ug/l #	82
25) 2-Butanone	7.01	43	11673	2.391	ug/l	95
26) 2,2-Dichloropropane	7.00	77	3247	0.634	ug/l	93
27) cis-1,2-Dichloroethene	6.99	96	2036	0.540	ug/l #	44
28) Bromochloromethane	7.33	49	1088	0.583	ug/l #	91
29) Tetrahydrofuran	7.36	42	8159	2.367	ug/l #	81
30) Chloroform	7.51	83	3409	0.579	ug/l #	77
31) Cyclohexane	7.80	56	7623	1.331	ug/l #	28
32) 1,1,1-Trichloroethane	7.72	97	2238	0.447	ug/l #	47
36) 1,1-Dichloropropene	7.92	75	2079	0.470	ug/l	98
37) Ethyl Acetate	7.09	43	3973	0.497	ug/l #	92
38) Carbon Tetrachloride	7.91	117	2430	0.563	ug/l #	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	2470	0.445	ug/l #	74
40) Benzene	8.17	78	5983	0.446	ug/l #	87
41) Methacrylonitrile	7.35	41	2772m	0.440	ug/l	
42) 1,2-Dichloroethane	8.25	62	2393	0.549	ug/l	83
43) Isopropyl Acetate	8.28	43	4974	0.483	ug/l #	92
44) Trichloroethene	8.95	130	1734	0.476	ug/l	74
45) 1,2-Dichloropropane	9.22	63	1422	0.423	ug/l #	87
46) Dibromomethane	9.31	93	1070	0.454	ug/l	88
47) Bromodichloromethane	9.51	83	2365	0.513	ug/l	99
48) Methyl methacrylate	9.29	41	2501	0.538	ug/l	91
49) 1,4-Dioxane	9.30	88	1186	9.939	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	16889	2.182	ug/l	98
52) Toluene	10.24	92	3687	0.428	ug/l	92
53) t-1,3-Dichloropropene	10.47	75	2225	0.425	ug/l #	84
54) cis-1,3-Dichloropropene	9.94	75	2599	0.459	ug/l	98
55) 1,1,2-Trichloroethane	10.65	97	2008	0.591	ug/l #	64
56) Ethyl methacrylate	10.51	69	2492	0.417	ug/l #	91
57) 1,3-Dichloropropane	10.80	76	2738	0.472	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.79	63	6661	2.500	ug/l	97
59) 2-Hexanone	10.83	43	14087	2.147	ug/l	95
60) Dibromochloromethane	10.98	129	1701	0.474	ug/l	97
61) 1,2-Dibromoethane	11.09	107	1722	0.477	ug/l	96
64) Tetrachloroethene	10.72	164	1424	0.416	ug/l	87
65) Chlorobenzene	11.52	112	4559	0.525	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.59	131	1588	0.511	ug/l #	63
67) Ethyl Benzene	11.59	91	7149	0.460	ug/l #	80
68) m/p-Xylenes	11.70	106	5219	0.881	ug/l	95
69) o-Xylene	12.03	106	2858	0.501	ug/l	93
70) Styrene	12.05	104	4173	0.424	ug/l	94
71) Bromoform	12.22	173	1144	0.446	ug/l #	92
73) Isopropylbenzene	12.33	105	6984	0.482	ug/l	100
74) N-amyl acetate	12.14	43	2500	0.362	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	2599	0.525	ug/l	94
76) 1,2,3-Trichloropropane	12.64	75	2422m	0.536	ug/l	
77) Bromobenzene	12.60	156	1927	0.567	ug/l	79
78) n-propylbenzene	12.67	91	6741	0.398	ug/l	83
79) 2-Chlorotoluene	12.75	91	5113	0.524	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	5543	0.458	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	964m	0.440	ug/l	
82) 4-Chlorotoluene	12.86	91	4731	0.479	ug/l	94
83) tert-Butylbenzene	13.07	119	5126	0.488	ug/l	92
84) 1,2,4-Trimethylbenzene	13.13	105	5558	0.460	ug/l	96
85) sec-Butylbenzene	13.25	105	6009	0.415	ug/l	87
86) p-Isopropyltoluene	13.37	119	5212	0.409	ug/l	94
87) 1,3-Dichlorobenzene	13.37	146	3187	0.517	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	3434m	0.535	ug/l	
89) n-Butylbenzene	13.69	91	4740	0.395	ug/l	89
90) Hexachloroethane	13.95	117	927	0.385	ug/l	87
91) 1,2-Dichlorobenzene	13.74	146	3360	0.539	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.36	75	863	0.559	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	2217	0.524	ug/l	94
94) Hexachlorobutadiene	15.11	225	985	0.487	ug/l	89
95) Naphthalene	15.23	128	8303	0.521	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	2145	0.527	ug/l	96

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

