

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
 Data File : VY000257.D
 Acq On : 10 Oct 2019 16:45
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:33:37 PM

Quant Time: Oct 11 07:19:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 07:12:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	263699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	445113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	385721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	173989	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.73	113	136844	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.19	98	508529	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
62) 4-Bromofluorobenzene	12.49	95	177915	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	1239	0.471	ug/l	91
3) Chloromethane	2.12	50	2115	0.590	ug/l #	83
4) Vinyl Chloride	2.25	62	1684	0.455	ug/l #	88
5) Bromomethane	2.65	94	1722	0.737	ug/l	83
6) Chloroethane	2.79	64	1258	0.538	ug/l #	16
7) Trichlorofluoromethane	3.13	101	2173	0.454	ug/l #	78
8) Diethyl Ether	3.52	74	1284	0.587	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.91	101	1454m	0.521	ug/l	
10) Methyl Iodide	4.11	142	1271m	0.309	ug/l	
11) Tert butyl alcohol	4.95	59	9084m	4.930	ug/l	
12) 1,1-Dichloroethene	3.88	96	1492	0.515	ug/l #	49
13) Acrolein	3.74	56	3102	3.207	ug/l	97
14) Allyl chloride	4.49	41	2950	0.604	ug/l	95
15) Acrylonitrile	5.18	53	9104	2.799	ug/l	96
16) Acetone	3.96	43	8603	3.203	ug/l	91
17) Carbon Disulfide	4.19	76	4461	0.522	ug/l #	33
18) Methyl Acetate	4.50	43	4231	0.575	ug/l #	65
19) Methyl tert-butyl Ether	5.24	73	5405	0.510	ug/l #	77
20) Methylene Chloride	4.74	84	2188	0.620	ug/l #	71
21) trans-1,2-Dichloroethene	5.23	96	1693	0.519	ug/l #	67
22) Diisopropyl ether	6.12	45	5702m	0.504	ug/l	
23) Vinyl Acetate	6.07	43	23473	2.290	ug/l	96
24) 1,1-Dichloroethane	6.05	63	2841m	0.492	ug/l	
25) 2-Butanone	7.00	43	12515	2.518	ug/l	100
26) 2,2-Dichloropropane	6.99	77	3804	0.730	ug/l #	58
27) cis-1,2-Dichloroethene	7.00	96	1853m	0.482	ug/l	
28) Bromochloromethane	7.35	49	1403	0.738	ug/l #	90
29) Tetrahydrofuran	7.36	42	8887	2.532	ug/l	94
30) Chloroform	7.52	83	3426	0.572	ug/l #	73
31) Cyclohexane	7.80	56	7748	1.329	ug/l #	23
32) 1,1,1-Trichloroethane	7.72	97	2832	0.556	ug/l #	49
36) 1,1-Dichloropropene	7.94	75	2647	0.584	ug/l #	94
37) Ethyl Acetate	7.09	43	4805	0.587	ug/l #	88
38) Carbon Tetrachloride	7.91	117	2210	0.501	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	2341	0.412	ug/l	92
40) Benzene	8.16	78	6615	0.481	ug/l	91
41) Methacrylonitrile	7.35	41	2868m	0.445	ug/l	
42) 1,2-Dichloroethane	8.25	62	2765	0.620	ug/l	100
43) Isopropyl Acetate	8.29	43	5234	0.497	ug/l #	88
44) Trichloroethene	8.96	130	2052	0.551	ug/l	97
45) 1,2-Dichloropropane	9.22	63	1686	0.490	ug/l	92
46) Dibromomethane	9.32	93	1469	0.609	ug/l #	88
47) Bromodichloromethane	9.50	83	2436	0.516	ug/l #	76
48) Methyl methacrylate	9.30	41	2749	0.578	ug/l	94
49) 1,4-Dioxane	9.32	88	1230	10.073	ug/l #	84
51) 4-Methyl-2-Pentanone	10.08	43	19101	2.412	ug/l	100
52) Toluene	10.25	92	4744	0.538	ug/l	91
53) t-1,3-Dichloropropene	10.47	75	2257	0.422	ug/l	92
54) cis-1,3-Dichloropropene	9.94	75	2873	0.496	ug/l #	87
55) 1,1,2-Trichloroethane	10.65	97	1925	0.554	ug/l #	90
56) Ethyl methacrylate	10.52	69	2680	0.438	ug/l #	83
57) 1,3-Dichloropropane	10.80	76	3153	0.531	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	7201	2.641	ug/l	97
59) 2-Hexanone	10.84	43	15668	2.334	ug/l	98
60) Dibromochloromethane	10.99	129	1574	0.428	ug/l	100
61) 1,2-Dibromoethane	11.09	107	1729	0.468	ug/l	88
64) Tetrachloroethene	10.72	164	1955	0.555	ug/l	90
65) Chlorobenzene	11.52	112	4345	0.486	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	1762	0.551	ug/l #	56
67) Ethyl Benzene	11.60	91	7943	0.497	ug/l	97
68) m/p-Xylenes	11.70	106	5607	0.920	ug/l	96
69) o-Xylene	12.03	106	3037	0.517	ug/l	91
70) Styrene	12.05	104	4522	0.447	ug/l	95
71) Bromoform	12.20	173	1499	0.568	ug/l #	99
73) Isopropylbenzene	12.33	105	6781	0.454	ug/l	96
74) N-amyl acetate	12.14	43	3223	0.453	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	2584	0.507	ug/l	90
76) 1,2,3-Trichloropropane	12.64	75	2576m	0.554	ug/l	
77) Bromobenzene	12.61	156	1851	0.528	ug/l	90
78) n-propylbenzene	12.67	91	8204	0.470	ug/l	99
79) 2-Chlorotoluene	12.76	91	5059	0.504	ug/l	93
80) 1,3,5-Trimethylbenzene	12.81	105	5839	0.468	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	1146m	0.508	ug/l	
82) 4-Chlorotoluene	12.86	91	5381	0.529	ug/l	100
83) tert-Butylbenzene	13.08	119	5042	0.465	ug/l	91
84) 1,2,4-Trimethylbenzene	13.12	105	5341	0.429	ug/l	94
85) sec-Butylbenzene	13.25	105	6745	0.452	ug/l	89
86) p-Isopropyltoluene	13.37	119	5600	0.426	ug/l	95
87) 1,3-Dichlorobenzene	13.37	146	3354	0.528	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	4173m	0.631	ug/l	
89) n-Butylbenzene	13.69	91	5693	0.460	ug/l	97
90) Hexachloroethane	13.96	117	1282	0.516	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	3147	0.490	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1104	0.694	ug/l	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	2409	0.552	ug/l	96
94) Hexachlorobutadiene	15.11	225	849	0.407	ug/l	70
95) Naphthalene	15.23	128	8733	0.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	2689	0.641	ug/l	82

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

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