

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000243.D
 Acq On : 09 Oct 2019 15:07
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:40:41 AM

Quant Time: Oct 10 02:16:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 02:06:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	282977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	461989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	397783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	187164	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	177873	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.73	113	137174	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
50) Toluene-d8	10.19	98	525408	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
62) 4-Bromofluorobenzene	12.49	95	180968	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	1403	0.497	ug/l	98
3) Chloromethane	2.11	50	2255	0.586	ug/l	93
4) Vinyl Chloride	2.26	62	1595	0.402	ug/l	92
5) Bromomethane	2.66	94	1630	0.650	ug/l #	59
6) Chloroethane	2.80	64	1294	0.516	ug/l	93
7) Trichlorofluoromethane	3.13	101	2303	0.449	ug/l #	74
8) Diethyl Ether	3.54	74	920	0.392	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.90	101	1572m	0.525	ug/l	
10) Methyl Iodide	4.11	142	1306	0.295	ug/l #	90
11) Tert butyl alcohol	4.95	59	9781	4.947	ug/l #	73
12) 1,1-Dichloroethene	3.89	96	1417	0.455	ug/l #	56
13) Acrolein	3.75	56	3003	2.893	ug/l	98
14) Allyl chloride	4.49	41	2271	0.433	ug/l	87
15) Acrylonitrile	5.17	53	8302	2.379	ug/l #	34
16) Acetone	3.96	43	7791	2.703	ug/l	99
17) Carbon Disulfide	4.19	76	4339	0.473	ug/l #	92
18) Methyl Acetate	4.48	43	3792m	0.480	ug/l	
19) Methyl tert-butyl Ether	5.24	73	5229m	0.459	ug/l	
20) Methylene Chloride	4.74	84	2350m	0.621	ug/l	
21) trans-1,2-Dichloroethene	5.22	96	1581	0.452	ug/l #	57
22) Diisopropyl ether	6.14	45	5470	0.450	ug/l #	83
23) Vinyl Acetate	6.08	43	22162	2.015	ug/l #	91
24) 1,1-Dichloroethane	6.03	63	3102	0.501	ug/l #	89
25) 2-Butanone	7.01	43	12660	2.374	ug/l #	83
26) 2,2-Dichloropropane	7.00	77	3561	0.637	ug/l	81
27) cis-1,2-Dichloroethene	7.01	96	2102	0.510	ug/l	85
28) Bromochloromethane	7.36	49	1277	0.626	ug/l #	66
29) Tetrahydrofuran	7.37	42	8394	2.229	ug/l	93
30) Chloroform	7.53	83	3374	0.525	ug/l #	73
31) Cyclohexane	7.80	56	8212	1.312	ug/l #	1
32) 1,1,1-Trichloroethane	7.71	97	2687	0.492	ug/l #	47
36) 1,1-Dichloropropene	7.93	75	2473	0.526	ug/l	99
37) Ethyl Acetate	7.08	43	3998	0.470	ug/l #	95
38) Carbon Tetrachloride	7.91	117	2370	0.517	ug/l #	56

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

39) Methylcyclohexane	9.19	83	2353	0.399	ug/l #	85
40) Benzene	8.18	78	6448	0.452	ug/l	99
41) Methacrylonitrile	7.36	41	3280m	0.490	ug/l	
42) 1,2-Dichloroethane	8.25	62	2859	0.617	ug/l	86
43) Isopropyl Acetate	8.29	43	5392	0.493	ug/l #	91
44) Trichloroethene	8.96	130	1918	0.496	ug/l	98
45) 1,2-Dichloropropane	9.23	63	1477	0.414	ug/l	98
46) Dibromomethane	9.32	93	1306	0.522	ug/l #	85
47) Bromodichloromethane	9.50	83	2402	0.490	ug/l #	84
48) Methyl methacrylate	9.30	41	2101	0.426	ug/l #	85
49) 1,4-Dioxane	9.32	88	1133	8.940	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	18482	2.248	ug/l	100
52) Toluene	10.25	92	3915	0.428	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	3144	0.566	ug/l #	83
54) cis-1,3-Dichloropropene	9.94	75	2781	0.463	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	1712	0.475	ug/l #	76
56) Ethyl methacrylate	10.52	69	2689	0.424	ug/l	91
57) 1,3-Dichloropropane	10.80	76	2879	0.468	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	6834	2.415	ug/l	95
59) 2-Hexanone	10.84	43	14255	2.046	ug/l	100
60) Dibromochloromethane	10.99	129	1486	0.390	ug/l	76
61) 1,2-Dibromoethane	11.09	107	2234	0.583	ug/l	88
64) Tetrachloroethene	10.72	164	2049	0.564	ug/l #	87
65) Chlorobenzene	11.52	112	4110	0.446	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.59	131	1695	0.514	ug/l #	65
67) Ethyl Benzene	11.60	91	7923	0.481	ug/l	99
68) m/p-Xylenes	11.70	106	6159	0.980	ug/l	86
69) o-Xylene	12.03	106	3086	0.509	ug/l	91
70) Styrene	12.05	104	4503	0.432	ug/l	96
71) Bromoform	12.20	173	1304	0.480	ug/l #	92
73) Isopropylbenzene	12.33	105	7401	0.467	ug/l	95
74) N-amyl acetate	12.14	43	2819	0.373	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	2326	0.430	ug/l	81
76) 1,2,3-Trichloropropane	12.64	75	2625m	0.531	ug/l	
77) Bromobenzene	12.61	156	1851	0.498	ug/l	97
78) n-propylbenzene	12.67	91	7751	0.418	ug/l	86
79) 2-Chlorotoluene	12.75	91	4820	0.452	ug/l	88
80) 1,3,5-Trimethylbenzene	12.81	105	5879	0.444	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	888m	0.371	ug/l	
82) 4-Chlorotoluene	12.85	91	4909	0.454	ug/l	84
83) tert-Butylbenzene	13.08	119	4935	0.429	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	5654	0.428	ug/l	98
85) sec-Butylbenzene	13.25	105	6945	0.438	ug/l	94
86) p-Isopropyltoluene	13.37	119	6178	0.443	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	3757	0.557	ug/l	95
88) 1,4-Dichlorobenzene	13.45	146	3936m	0.561	ug/l	
89) n-Butylbenzene	13.70	91	5251	0.400	ug/l	91
90) Hexachloroethane	13.97	117	963	0.365	ug/l #	57
91) 1,2-Dichlorobenzene	13.74	146	3023	0.443	ug/l	86
92) 1,2-Dibromo-3-Chloropropan	14.36	75	961	0.569	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	2103	0.454	ug/l	92
94) Hexachlorobutadiene	15.11	225	955	0.431	ug/l	86
95) Naphthalene	15.23	128	7734	0.444	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.42	180	2068	0.464	ug/l	92

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

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