

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000245.D
 Acq On : 09 Oct 2019 15:51
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:40:44 AM

Quant Time: Oct 10 02:21:28 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	312952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	513591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	450784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	206654	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	193566	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
35) Dibromofluoromethane	7.74	113	152748	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
50) Toluene-d8	10.19	98	571461	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
62) 4-Bromofluorobenzene	12.48	95	193019	43.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	1331	0.426	ug/l	76
3) Chloromethane	2.12	50	2431	0.571	ug/l	93
4) Vinyl Chloride	2.26	62	1948	0.443	ug/l	100
5) Bromomethane	2.66	94	2104	0.759	ug/l #	74
6) Chloroethane	2.80	64	1530	0.551	ug/l	99
7) Trichlorofluoromethane	3.12	101	3198	0.563	ug/l #	75
8) Diethyl Ether	3.54	74	1345	0.518	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	1700	0.513	ug/l #	70
10) Methyl Iodide	4.10	142	1303	0.267	ug/l #	93
11) Tert butyl alcohol	4.96	59	11127	5.089	ug/l #	88
12) 1,1-Dichloroethene	3.87	96	1888	0.549	ug/l #	50
13) Acrolein	3.74	56	3045	2.653	ug/l	98
14) Allyl chloride	4.49	41	2659	0.459	ug/l #	58
15) Acrylonitrile	5.19	53	9900	2.565	ug/l #	78
16) Acetone	3.97	43	9195	2.884	ug/l #	67
17) Carbon Disulfide	4.19	76	4492	0.443	ug/l #	88
18) Methyl Acetate	4.51	43	4273m	0.489	ug/l	
19) Methyl tert-butyl Ether	5.24	73	6940	0.551	ug/l #	89
20) Methylene Chloride	4.74	84	2954	0.705	ug/l #	64
21) trans-1,2-Dichloroethene	5.23	96	2326	0.601	ug/l #	65
22) Diisopropyl ether	6.14	45	6216	0.463	ug/l #	94
23) Vinyl Acetate	6.08	43	26248	2.158	ug/l	95
24) 1,1-Dichloroethane	6.02	63	3396m	0.496	ug/l	
25) 2-Butanone	7.01	43	14552	2.468	ug/l	98
26) 2,2-Dichloropropane	6.99	77	4111	0.665	ug/l #	66
27) cis-1,2-Dichloroethene	7.01	96	2200	0.483	ug/l #	12
28) Bromochloromethane	7.35	49	1415	0.627	ug/l #	81
29) Tetrahydrofuran	7.36	42	9581	2.300	ug/l	96
30) Chloroform	7.52	83	3973	0.559	ug/l	85
31) Cyclohexane	7.80	56	9450	1.366	ug/l #	17
32) 1,1,1-Trichloroethane	7.72	97	3350	0.554	ug/l #	50
36) 1,1-Dichloropropene	7.93	75	2570	0.492	ug/l	86
37) Ethyl Acetate	7.10	43	4677	0.495	ug/l #	79
38) Carbon Tetrachloride	7.92	117	2733m	0.537	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	3205	0.489	ug/l	92
40) Benzene	8.17	78	7938	0.501	ug/l #	81
41) Methacrylonitrile	7.36	41	3917m	0.527	ug/l	
42) 1,2-Dichloroethane	8.25	62	3359	0.652	ug/l	82
43) Isopropyl Acetate	8.28	43	5854	0.481	ug/l #	86
44) Trichloroethene	8.94	130	2315	0.539	ug/l	68
45) 1,2-Dichloropropane	9.22	63	1749	0.440	ug/l #	63
46) Dibromomethane	9.32	93	1589	0.571	ug/l #	79
47) Bromodichloromethane	9.50	83	2868	0.527	ug/l #	98
48) Methyl methacrylate	9.30	41	2933	0.534	ug/l	93
49) 1,4-Dioxane	9.32	88	1531	10.866	ug/l #	25
51) 4-Methyl-2-Pentanone	10.08	43	21713	2.376	ug/l	96
52) Toluene	10.25	92	4414	0.434	ug/l	92
53) t-1,3-Dichloropropene	10.47	75	2985	0.483	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	3394	0.508	ug/l	89
55) 1,1,2-Trichloroethane	10.66	97	2188	0.546	ug/l #	74
56) Ethyl methacrylate	10.52	69	3081	0.437	ug/l	96
57) 1,3-Dichloropropane	10.79	76	3781	0.552	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	7040	2.238	ug/l	91
59) 2-Hexanone	10.84	43	17721	2.288	ug/l	95
60) Dibromochloromethane	10.99	129	1997	0.471	ug/l	100
61) 1,2-Dibromoethane	11.09	107	2138	0.502	ug/l	100
64) Tetrachloroethene	10.72	164	2735	0.664	ug/l #	78
65) Chlorobenzene	11.52	112	5544	0.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	1921	0.514	ug/l #	63
67) Ethyl Benzene	11.60	91	10169	0.545	ug/l	98
68) m/p-Xylenes	11.70	106	7108	0.998	ug/l	91
69) o-Xylene	12.03	106	2955	0.430	ug/l	80
70) Styrene	12.05	104	4952	0.419	ug/l	92
71) Bromoform	12.21	173	1469	0.477	ug/l #	77
73) Isopropylbenzene	12.33	105	7813	0.446	ug/l	86
74) N-amyl acetate	12.14	43	3878	0.465	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.58	83	3138	0.525	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	2681m	0.491	ug/l	
77) Bromobenzene	12.61	156	2507	0.611	ug/l	84
78) n-propylbenzene	12.67	91	9232	0.451	ug/l	97
79) 2-Chlorotoluene	12.76	91	6106	0.518	ug/l	93
80) 1,3,5-Trimethylbenzene	12.81	105	6704	0.459	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.39	75	1248m	0.472	ug/l	
82) 4-Chlorotoluene	12.86	91	5999	0.503	ug/l	98
83) tert-Butylbenzene	13.08	119	5828	0.459	ug/l	89
84) 1,2,4-Trimethylbenzene	13.12	105	6632	0.454	ug/l	99
85) sec-Butylbenzene	13.25	105	7752	0.443	ug/l	90
86) p-Isopropyltoluene	13.36	119	7114	0.462	ug/l	93
87) 1,3-Dichlorobenzene	13.37	146	4354	0.585	ug/l	93
88) 1,4-Dichlorobenzene	13.45	146	4656m	0.601	ug/l	
89) n-Butylbenzene	13.69	91	6363	0.439	ug/l	96
90) Hexachloroethane	13.96	117	1437	0.493	ug/l	90
91) 1,2-Dichlorobenzene	13.74	146	4113	0.546	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1098	0.588	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	2612	0.511	ug/l	97
94) Hexachlorobutadiene	15.11	225	1100	0.450	ug/l	91
95) Naphthalene	15.23	128	8662	0.450	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.42	180	2879	0.585	ug/l	90

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

