

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
 Data File : VY000256.D
 Acq On : 10 Oct 2019 16:23
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:33:28 PM

Quant Time: Oct 11 07:16:44 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	284385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	479896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	417439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	188920	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	189339	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	7.73	113	152506	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.19	98	571792	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.48	95	196326	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	1427	0.503	ug/l #	47
3) Chloromethane	2.12	50	2657	0.687	ug/l	90
4) Vinyl Chloride	2.25	62	2331	0.584	ug/l #	75
5) Bromomethane	2.65	94	1845	0.733	ug/l	87
6) Chloroethane	2.80	64	1557	0.618	ug/l	98
7) Trichlorofluoromethane	3.13	101	2702	0.524	ug/l	97
8) Diethyl Ether	3.53	74	1496m	0.634	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.91	101	1580	0.525	ug/l #	83
10) Methyl Iodide	4.11	142	1680m	0.378	ug/l	
11) Tert butyl alcohol	4.96	59	9792	4.928	ug/l #	81
12) 1,1-Dichloroethene	3.87	96	1499m	0.479	ug/l	
13) Acrolein	3.73	56	3557	3.410	ug/l	92
14) Allyl chloride	4.49	41	3091	0.587	ug/l #	85
15) Acrylonitrile	5.18	53	9324	2.658	ug/l	97
16) Acetone	3.96	43	9881	3.411	ug/l	95
17) Carbon Disulfide	4.20	76	6102	0.662	ug/l	97
18) Methyl Acetate	4.50	43	4555	0.574	ug/l	94
19) Methyl tert-butyl Ether	5.23	73	6517	0.570	ug/l #	83
20) Methylene Chloride	4.72	84	2726	0.716	ug/l #	62
21) trans-1,2-Dichloroethene	5.22	96	2516	0.715	ug/l #	62
22) Diisopropyl ether	6.11	45	6501m	0.533	ug/l	
23) Vinyl Acetate	6.07	43	26840	2.428	ug/l	99
24) 1,1-Dichloroethane	6.02	63	3595	0.577	ug/l #	70
25) 2-Butanone	7.00	43	16311	3.044	ug/l	95
26) 2,2-Dichloropropane	6.99	77	3452	0.614	ug/l	92
27) cis-1,2-Dichloroethene	7.00	96	2624	0.633	ug/l	98
28) Bromochloromethane	7.34	49	1454	0.710	ug/l #	96
29) Tetrahydrofuran	7.36	42	9655	2.551	ug/l	90
30) Chloroform	7.52	83	4142	0.641	ug/l	88
31) Cyclohexane	7.80	56	8629	1.372	ug/l #	27
32) 1,1,1-Trichloroethane	7.72	97	3437	0.626	ug/l #	50
36) 1,1-Dichloropropene	7.93	75	2885	0.591	ug/l	96
37) Ethyl Acetate	7.10	43	5366	0.608	ug/l #	88
38) Carbon Tetrachloride	7.91	117	2585	0.543	ug/l #	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	3106	0.507	ug/l	88
40) Benzene	8.17	78	8302	0.560	ug/l	96
41) Methacrylonitrile	7.35	41	3146m	0.453	ug/l	
42) 1,2-Dichloroethane	8.25	62	3340	0.694	ug/l	92
43) Isopropyl Acetate	8.28	43	6049	0.532	ug/l #	89
44) Trichloroethene	8.94	130	2512	0.625	ug/l	79
45) 1,2-Dichloropropane	9.22	63	2167	0.584	ug/l #	80
46) Dibromomethane	9.31	93	1565	0.602	ug/l	92
47) Bromodichloromethane	9.50	83	2789	0.548	ug/l #	85
48) Methyl methacrylate	9.30	41	2871	0.560	ug/l	93
49) 1,4-Dioxane	9.32	88	1696	12.883	ug/l #	85
51) 4-Methyl-2-Pentanone	10.08	43	21852	2.559	ug/l	98
52) Toluene	10.25	92	4810	0.506	ug/l	87
53) t-1,3-Dichloropropene	10.47	75	3188	0.552	ug/l #	84
54) cis-1,3-Dichloropropene	9.94	75	3331	0.533	ug/l #	85
55) 1,1,2-Trichloroethane	10.65	97	1961	0.523	ug/l #	52
56) Ethyl methacrylate	10.52	69	2878	0.436	ug/l #	70
57) 1,3-Dichloropropane	10.80	76	3497	0.547	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.78	63	8725	2.968	ug/l	94
59) 2-Hexanone	10.84	43	18827	2.601	ug/l	94
60) Dibromochloromethane	10.99	129	2300	0.581	ug/l	97
61) 1,2-Dibromoethane	11.10	107	2086	0.524	ug/l #	80
64) Tetrachloroethene	10.72	164	2392	0.627	ug/l	86
65) Chlorobenzene	11.52	112	5372	0.555	ug/l #	78
66) 1,1,1,2-Tetrachloroethane	11.60	131	1990	0.575	ug/l #	58
67) Ethyl Benzene	11.60	91	9625	0.557	ug/l	91
68) m/p-Xylenes	11.70	106	6884	1.043	ug/l	94
69) o-Xylene	12.03	106	3521	0.554	ug/l	97
70) Styrene	12.05	104	5461	0.499	ug/l	92
71) Bromoform	12.20	173	1307	0.458	ug/l #	96
73) Isopropylbenzene	12.33	105	8591	0.537	ug/l	93
74) N-amyl acetate	12.14	43	2947	0.387	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.58	83	2905	0.532	ug/l	95
76) 1,2,3-Trichloropropane	12.64	75	3028m	0.607	ug/l	
77) Bromobenzene	12.61	156	2203	0.587	ug/l	90
78) n-propylbenzene	12.67	91	10139	0.542	ug/l	98
79) 2-Chlorotoluene	12.76	91	6471	0.601	ug/l	91
80) 1,3,5-Trimethylbenzene	12.81	105	7634	0.571	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	1115m	0.461	ug/l	
82) 4-Chlorotoluene	12.86	91	6635	0.608	ug/l	93
83) tert-Butylbenzene	13.08	119	6453	0.556	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	6846	0.513	ug/l	94
85) sec-Butylbenzene	13.25	105	8270	0.517	ug/l	99
86) p-Isopropyltoluene	13.37	119	7358	0.523	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	4278	0.629	ug/l	86
88) 1,4-Dichlorobenzene	13.45	146	4620m	0.652	ug/l	
89) n-Butylbenzene	13.70	91	6845	0.516	ug/l	98
90) Hexachloroethane	13.96	117	1430	0.537	ug/l	95
91) 1,2-Dichlorobenzene	13.74	146	3655	0.531	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.36	75	928	0.544	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	3351	0.717	ug/l	92
94) Hexachlorobutadiene	15.11	225	1249	0.559	ug/l	82
95) Naphthalene	15.23	128	11161	0.635	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.42	180	3197	0.711	ug/l	83

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

