

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101019\
 Data File : VY000258.D
 Acq On : 10 Oct 2019 17:07
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 1:33:43 PM

Quant Time: Oct 11 07:20:59 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	284341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	476304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	413135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	187244	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	185998	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.73	113	148251	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.19	98	551194	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
62) 4-Bromofluorobenzene	12.49	95	187357	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	1275	0.449	ug/l #	67
3) Chloromethane	2.11	50	2266	0.586	ug/l	95
4) Vinyl Chloride	2.25	62	1941	0.486	ug/l	89
5) Bromomethane	2.65	94	1810	0.719	ug/l #	78
6) Chloroethane	2.79	64	1693	0.672	ug/l #	76
7) Trichlorofluoromethane	3.13	101	2366	0.459	ug/l #	78
8) Diethyl Ether	3.54	74	1012	0.429	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.90	101	1373	0.456	ug/l #	66
10) Methyl Iodide	4.10	142	1373	0.309	ug/l #	77
11) Tert butyl alcohol	4.96	59	10379	5.224	ug/l #	91
12) 1,1-Dichloroethene	3.89	96	1753m	0.561	ug/l	
13) Acrolein	3.73	56	2549	2.444	ug/l #	74
14) Allyl chloride	4.48	41	2569	0.488	ug/l	88
15) Acrylonitrile	5.18	53	7986	2.277	ug/l	96
16) Acetone	3.95	43	8859	3.059	ug/l #	86
17) Carbon Disulfide	4.19	76	4840	0.525	ug/l #	91
18) Methyl Acetate	4.50	43	4733	0.596	ug/l #	74
19) Methyl tert-butyl Ether	5.22	73	5381m	0.470	ug/l	
20) Methylene Chloride	4.72	84	2506	0.659	ug/l #	77
21) trans-1,2-Dichloroethene	5.22	96	1705	0.485	ug/l #	66
22) Diisopropyl ether	6.13	45	5867	0.481	ug/l	98
23) Vinyl Acetate	6.08	43	24757	2.240	ug/l #	93
24) 1,1-Dichloroethane	6.04	63	3066	0.493	ug/l #	82
25) 2-Butanone	7.00	43	12911	2.410	ug/l	100
26) 2,2-Dichloropropane	7.00	77	3570m	0.635	ug/l	
27) cis-1,2-Dichloroethene	7.00	96	2141	0.517	ug/l	89
28) Bromochloromethane	7.35	49	1495	0.730	ug/l #	93
29) Tetrahydrofuran	7.37	42	8626	2.279	ug/l	93
30) Chloroform	7.52	83	4009	0.621	ug/l	89
31) Cyclohexane	7.80	56	8541	1.358	ug/l #	13
32) 1,1,1-Trichloroethane	7.71	97	2987	0.544	ug/l #	50
36) 1,1-Dichloropropene	7.92	75	2962	0.611	ug/l	89
37) Ethyl Acetate	7.10	43	4014	0.458	ug/l #	93
38) Carbon Tetrachloride	7.90	117	2082	0.441	ug/l #	94

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

39) Methylcyclohexane	9.19	83	2289	0.376	ug/l #	88
40) Benzene	8.17	78	6579	0.448	ug/l	94
41) Methacrylonitrile	7.35	41	3228m	0.468	ug/l	
42) 1,2-Dichloroethane	8.25	62	2952	0.618	ug/l	92
43) Isopropyl Acetate	8.28	43	5456	0.484	ug/l #	87
44) Trichloroethene	8.95	130	2064	0.518	ug/l	74
45) 1,2-Dichloropropane	9.22	63	1934	0.525	ug/l	97
46) Dibromomethane	9.31	93	1449	0.561	ug/l	98
47) Bromodichloromethane	9.50	83	2600	0.515	ug/l	89
48) Methyl methacrylate	9.30	41	2559	0.503	ug/l #	82
49) 1,4-Dioxane	9.30	88	1535	11.748	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	18231	2.151	ug/l	99
52) Toluene	10.25	92	4427	0.469	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	2848	0.497	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	2957	0.477	ug/l #	81
55) 1,1,2-Trichloroethane	10.65	97	1748	0.470	ug/l #	87
56) Ethyl methacrylate	10.51	69	2524	0.386	ug/l #	79
57) 1,3-Dichloropropane	10.80	76	3252	0.512	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.79	63	7578	2.597	ug/l	90
59) 2-Hexanone	10.83	43	15139	2.108	ug/l	96
60) Dibromochloromethane	10.99	129	1775	0.452	ug/l	91
61) 1,2-Dibromoethane	11.10	107	1994	0.505	ug/l	93
64) Tetrachloroethene	10.72	164	2346	0.621	ug/l #	66
65) Chlorobenzene	11.52	112	5200	0.543	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.60	131	1956	0.571	ug/l #	55
67) Ethyl Benzene	11.60	91	8167	0.477	ug/l	95
68) m/p-Xylenes	11.70	106	5546	0.849	ug/l	93
69) o-Xylene	12.02	106	2523	0.401	ug/l	65
70) Styrene	12.05	104	5246	0.484	ug/l	97
71) Bromoform	12.20	173	1315	0.466	ug/l #	96
73) Isopropylbenzene	12.33	105	6712	0.423	ug/l	89
74) N-amyl acetate	12.15	43	2944	0.390	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.58	83	2599	0.480	ug/l	86
76) 1,2,3-Trichloropropane	12.64	75	2919m	0.590	ug/l	
77) Bromobenzene	12.61	156	1806	0.485	ug/l	81
78) n-propylbenzene	12.67	91	8695	0.469	ug/l	98
79) 2-Chlorotoluene	12.75	91	5114	0.479	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	6099	0.461	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.39	75	945m	0.394	ug/l	
82) 4-Chlorotoluene	12.85	91	5084	0.470	ug/l	95
83) tert-Butylbenzene	13.08	119	4553	0.396	ug/l	85
84) 1,2,4-Trimethylbenzene	13.12	105	5966	0.451	ug/l	96
85) sec-Butylbenzene	13.25	105	6747	0.425	ug/l	97
86) p-Isopropyltoluene	13.38	119	5713	0.410	ug/l	91
87) 1,3-Dichlorobenzene	13.37	146	3466	0.514	ug/l	90
88) 1,4-Dichlorobenzene	13.45	146	4170m	0.594	ug/l	
89) n-Butylbenzene	13.70	91	5360	0.408	ug/l	96
90) Hexachloroethane	13.96	117	1209	0.458	ug/l	91
91) 1,2-Dichlorobenzene	13.74	146	3499	0.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1106	0.654	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	2766	0.597	ug/l	87
94) Hexachlorobutadiene	15.11	225	1005	0.454	ug/l	96
95) Naphthalene	15.23	128	9322	0.535	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.43	180	2378	0.533	ug/l	94

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

