

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000228.D
 Acq On : 08 Oct 2019 18:52
 Operator : SY/MD
 Sample : 0.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:56 AM

Quant Time: Oct 09 09:19:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 09:14:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	256612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	434219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	372132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	157890	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.72	113	124506	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
50) Toluene-d8	10.19	98	453827	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
62) 4-Bromofluorobenzene	12.48	95	152952	40.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	953	0.372	ug/l 92
3) Chloromethane	2.11	50	1762	0.505	ug/l # 71
4) Vinyl Chloride	2.24	62	1694	0.470	ug/l # 84
5) Bromomethane	2.66	94	1510m	0.664	ug/l
6) Chloroethane	2.80	64	1219	0.536	ug/l # 73
7) Trichlorofluoromethane	3.13	101	2044	0.439	ug/l 88
8) Diethyl Ether	3.53	74	1036	0.487	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	1567	0.577	ug/l # 29
10) Methyl Iodide	4.11	142	839m	0.209	ug/l
11) Tert butyl alcohol	4.95	59	8218	4.583	ug/l # 84
12) 1,1-Dichloroethene	3.87	96	1001	0.355	ug/l # 65
13) Acrolein	3.74	56	3069	3.261	ug/l 94
14) Allyl chloride	4.48	41	2060m	0.433	ug/l
15) Acrylonitrile	5.18	53	7212	2.279	ug/l # 90
16) Acetone	3.96	43	7365	2.818	ug/l 95
17) Carbon Disulfide	4.21	76	4025	0.484	ug/l # 76
18) Methyl Acetate	4.49	43	3601	0.503	ug/l 100
19) Methyl tert-butyl Ether	5.24	73	4690	0.454	ug/l # 89
20) Methylene Chloride	4.72	84	2176	0.634	ug/l # 88
21) trans-1,2-Dichloroethene	5.24	96	1408	0.444	ug/l # 79
22) Diisopropyl ether	6.12	45	5160	0.468	ug/l # 86
23) Vinyl Acetate	6.08	43	20805	2.086	ug/l # 80
24) 1,1-Dichloroethane	6.04	63	2642	0.470	ug/l # 82
25) 2-Butanone	7.00	43	11390	2.355	ug/l 92
26) 2,2-Dichloropropane	7.01	77	3177	0.626	ug/l # 75
27) cis-1,2-Dichloroethene	7.01	96	1583	0.423	ug/l 78
28) Bromochloromethane	7.34	49	1120	0.606	ug/l # 92
29) Tetrahydrofuran	7.37	42	7068	2.070	ug/l 95
30) Chloroform	7.53	83	3566	0.612	ug/l # 79
31) Cyclohexane	7.81	56	7488	1.320	ug/l # 50
32) 1,1,1-Trichloroethane	7.71	97	2155	0.435	ug/l # 50
36) 1,1-Dichloropropene	7.92	75	2107	0.477	ug/l # 51
37) Ethyl Acetate	7.09	43	3851	0.482	ug/l # 74
38) Carbon Tetrachloride	7.91	117	2134	0.496	ug/l # 65

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

39) Methylcyclohexane	9.20	83	2180	0.393	ug/l #	69
40) Benzene	8.17	78	5689	0.424	ug/l	99
41) Methacrylonitrile	7.36	41	3158m	0.502	ug/l	
42) 1,2-Dichloroethane	8.25	62	2594	0.596	ug/l	89
43) Isopropyl Acetate	8.28	43	4364	0.424	ug/l #	96
44) Trichloroethene	8.96	130	1772	0.488	ug/l	65
45) 1,2-Dichloropropane	9.22	63	1796	0.535	ug/l #	64
46) Dibromomethane	9.32	93	952	0.405	ug/l #	85
47) Bromodichloromethane	9.51	83	2409	0.523	ug/l #	71
48) Methyl methacrylate	9.29	41	2187	0.471	ug/l #	80
49) 1,4-Dioxane	9.31	88	895	7.513	ug/l #	65
51) 4-Methyl-2-Pentanone	10.08	43	16072	2.080	ug/l	95
52) Toluene	10.25	92	3415	0.397	ug/l	95
53) t-1,3-Dichloropropene	10.47	75	2428	0.465	ug/l #	78
54) cis-1,3-Dichloropropene	9.94	75	2477	0.438	ug/l #	89
55) 1,1,2-Trichloroethane	10.64	97	1648	0.486	ug/l #	84
56) Ethyl methacrylate	10.52	69	2425	0.406	ug/l	97
57) 1,3-Dichloropropane	10.80	76	2743	0.474	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.79	63	6127	2.303	ug/l #	88
59) 2-Hexanone	10.84	43	13214	2.018	ug/l	99
60) Dibromochloromethane	10.99	129	1544	0.431	ug/l	97
61) 1,2-Dibromoethane	11.10	107	1725	0.479	ug/l	87
64) Tetrachloroethene	10.72	164	2203	0.648	ug/l	91
65) Chlorobenzene	11.51	112	3783	0.439	ug/l #	89
66) 1,1,1,2-Tetrachloroethane	11.59	131	1735	0.563	ug/l #	64
67) Ethyl Benzene	11.60	91	6318	0.410	ug/l	93
68) m/p-Xylenes	11.71	106	4765	0.810	ug/l	90
69) o-Xylene	12.02	106	2965	0.523	ug/l	74
70) Styrene	12.04	104	4074	0.417	ug/l	91
71) Bromoform	12.21	173	1071	0.421	ug/l #	93
73) Isopropylbenzene	12.33	105	6142	0.434	ug/l	98
74) N-amyl acetate	12.14	43	2526	0.375	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.59	83	2319	0.480	ug/l	92
76) 1,2,3-Trichloropropane	12.63	75	2238m	0.508	ug/l	
77) Bromobenzene	12.61	156	1914	0.577	ug/l	71
78) n-propylbenzene	12.67	91	6647	0.402	ug/l	99
79) 2-Chlorotoluene	12.75	91	3959	0.416	ug/l	96
80) 1,3,5-Trimethylbenzene	12.81	105	5416	0.459	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.38	75	786m	0.368	ug/l	
82) 4-Chlorotoluene	12.85	91	4862	0.504	ug/l	92
83) tert-Butylbenzene	13.07	119	4344	0.423	ug/l	95
84) 1,2,4-Trimethylbenzene	13.12	105	4922	0.417	ug/l	81
85) sec-Butylbenzene	13.25	105	5590	0.395	ug/l	98
86) p-Isopropyltoluene	13.37	119	5453	0.438	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	2908	0.484	ug/l	87
88) 1,4-Dichlorobenzene	13.45	146	3177m	0.507	ug/l	
89) n-Butylbenzene	13.69	91	4555	0.389	ug/l	94
90) Hexachloroethane	13.96	117	880	0.374	ug/l	78
91) 1,2-Dichlorobenzene	13.73	146	3103	0.510	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.35	75	768	0.509	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	1886	0.456	ug/l	84
94) Hexachlorobutadiene	15.11	225	635	0.322	ug/l #	66
95) Naphthalene	15.23	128	7089	0.456	ug/l	95
96) 1,2,3-Trichlorobenzene	15.43	180	2055	0.517	ug/l	88

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

