

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000230.D
 Acq On : 08 Oct 2019 19:59
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:30 AM

Quant Time: Oct 09 09:23:12 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	259934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	427212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	372814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	170118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	161125	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.73	113	129052	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	10.19	98	471093	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
62) 4-Bromofluorobenzene	12.48	95	163316	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	4733	1.824	ug/l 99
3) Chloromethane	2.12	50	7492	2.120	ug/l 90
4) Vinyl Chloride	2.25	62	7266	1.991	ug/l 90
5) Bromomethane	2.63	94	7011	3.046	ug/l 89
6) Chloroethane	2.79	64	5076	2.203	ug/l # 84
7) Trichlorofluoromethane	3.12	101	9401	1.994	ug/l 91
8) Diethyl Ether	3.54	74	4573	2.121	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	5598	2.034	ug/l 97
10) Methyl Iodide	4.10	142	4056	0.999	ug/l 99
11) Tert butyl alcohol	4.97	59	27633	15.214	ug/l # 93
12) 1,1-Dichloroethene	3.88	96	5753	2.013	ug/l # 78
13) Acrolein	3.74	56	12754	13.378	ug/l 97
14) Allyl chloride	4.49	41	9082	1.886	ug/l 94
15) Acrylonitrile	5.18	53	33928	10.582	ug/l 98
16) Acetone	3.95	43	31073	11.735	ug/l 95
17) Carbon Disulfide	4.19	76	16093	1.911	ug/l # 94
18) Methyl Acetate	4.48	43	16694	2.301	ug/l 98
19) Methyl tert-butyl Ether	5.24	73	22047	2.109	ug/l 92
20) Methylene Chloride	4.72	84	8746	2.514	ug/l 90
21) trans-1,2-Dichloroethene	5.22	96	6612	2.057	ug/l 97
22) Diisopropyl ether	6.13	45	23470	2.104	ug/l # 87
23) Vinyl Acetate	6.07	43	97670	9.666	ug/l 98
24) 1,1-Dichloroethane	6.02	63	12328	2.166	ug/l 94
25) 2-Butanone	7.00	43	51883	10.592	ug/l 100
26) 2,2-Dichloropropane	6.99	77	10281	2.001	ug/l 97
27) cis-1,2-Dichloroethene	6.99	96	8391	2.216	ug/l 94
28) Bromochloromethane	7.35	49	4396	2.347	ug/l # 84
29) Tetrahydrofuran	7.36	42	33744	9.754	ug/l 96
30) Chloroform	7.52	83	12645	2.141	ug/l 86
31) Cyclohexane	7.80	56	14593	2.539	ug/l # 48
32) 1,1,1-Trichloroethane	7.71	97	10084	2.008	ug/l 97
36) 1,1-Dichloropropene	7.93	75	8695	2.000	ug/l 97
37) Ethyl Acetate	7.09	43	16429	2.091	ug/l 96
38) Carbon Tetrachloride	7.91	117	8996	2.123	ug/l 91

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

39) Methylcyclohexane	9.19	83	10588	1.942	ug/l #	81
40) Benzene	8.17	78	26172	1.985	ug/l	96
41) Methacrylonitrile	7.35	41	16632m	2.689	ug/l	
42) 1,2-Dichloroethane	8.25	62	10075	2.352	ug/l	97
43) Isopropyl Acetate	8.28	43	21801	2.155	ug/l	97
44) Trichloroethene	8.95	130	7896	2.208	ug/l	94
45) 1,2-Dichloropropane	9.22	63	6626	2.006	ug/l	91
46) Dibromomethane	9.32	93	5146	2.222	ug/l	97
47) Bromodichloromethane	9.50	83	9904	2.187	ug/l #	95
48) Methyl methacrylate	9.30	41	9295	2.036	ug/l	91
49) 1,4-Dioxane	9.31	88	5609	47.859	ug/l	92
51) 4-Methyl-2-Pentanone	10.08	43	81384	10.706	ug/l	99
52) Toluene	10.25	92	16824	1.989	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	10497	2.043	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	11244	2.022	ug/l	91
55) 1,1,2-Trichloroethane	10.65	97	7051	2.114	ug/l #	90
56) Ethyl methacrylate	10.51	69	11601	1.976	ug/l #	93
57) 1,3-Dichloropropane	10.79	76	12333	2.166	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.79	63	29253	11.178	ug/l	98
59) 2-Hexanone	10.84	43	66727	10.357	ug/l	97
60) Dibromochloromethane	10.99	129	7529	2.135	ug/l	95
61) 1,2-Dibromoethane	11.10	107	7501	2.118	ug/l	99
64) Tetrachloroethene	10.72	164	7665	2.249	ug/l	88
65) Chlorobenzene	11.52	112	18464	2.137	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	6185	2.003	ug/l	97
67) Ethyl Benzene	11.60	91	30839	1.997	ug/l	92
68) m/p-Xylenes	11.70	106	23258	3.947	ug/l	99
69) o-Xylene	12.03	106	12176	2.145	ug/l	97
70) Styrene	12.05	104	18111	1.852	ug/l	99
71) Bromoform	12.21	173	4700	1.844	ug/l #	99
73) Isopropylbenzene	12.33	105	29522	2.048	ug/l	97
74) N-amyl acetate	12.14	43	11846	1.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	10651	2.165	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	11274m	2.510	ug/l	
77) Bromobenzene	12.61	156	7870	2.328	ug/l	91
78) n-propylbenzene	12.67	91	32405	1.925	ug/l	97
79) 2-Chlorotoluene	12.75	91	19075	1.968	ug/l	91
80) 1,3,5-Trimethylbenzene	12.81	105	24764	2.059	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	3757	1.726	ug/l	90
82) 4-Chlorotoluene	12.85	91	19806	2.017	ug/l	95
83) tert-Butylbenzene	13.08	119	21109	2.019	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	24140	2.009	ug/l	98
85) sec-Butylbenzene	13.25	105	28146	1.953	ug/l	96
86) p-Isopropyltoluene	13.37	119	24781	1.956	ug/l	96
87) 1,3-Dichlorobenzene	13.37	146	13575	2.216	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	12858	2.015	ug/l	75
89) n-Butylbenzene	13.70	91	21052	1.763	ug/l	96
90) Hexachloroethane	13.96	117	4436	1.851	ug/l	91
91) 1,2-Dichlorobenzene	13.73	146	13170	2.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3337	2.172	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	8854	2.103	ug/l	97
94) Hexachlorobutadiene	15.11	225	4048	2.012	ug/l	92
95) Naphthalene	15.23	128	32737	2.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	8565	2.115	ug/l	95

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

