

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100919\
 Data File : VY000241.D
 Acq On : 09 Oct 2019 14:22
 Operator : SY/MD
 Sample : 2.5PPBMDL
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2.5PPBMDL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 8:40:39 AM

Quant Time: Oct 10 02:12:28 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	274275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	445788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	392164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	181637	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	171841	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
35) Dibromofluoromethane	7.74	113	135138	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.19	98	525968	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.48	95	183187	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	6078	2.220	ug/l	76
3) Chloromethane	2.12	50	7836	2.101	ug/l	94
4) Vinyl Chloride	2.25	62	8211	2.133	ug/l	99
5) Bromomethane	2.63	94	7589	3.124	ug/l #	80
6) Chloroethane	2.79	64	5612	2.308	ug/l	90
7) Trichlorofluoromethane	3.13	101	11258	2.263	ug/l	91
8) Diethyl Ether	3.54	74	5251	2.308	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	6400	2.203	ug/l #	84
10) Methyl Iodide	4.10	142	6161	1.438	ug/l	94
11) Tert butyl alcohol	4.96	59	25448	13.279	ug/l	96
12) 1,1-Dichloroethene	3.88	96	6690	2.218	ug/l #	78
13) Acrolein	3.74	56	12008	11.937	ug/l	94
14) Allyl chloride	4.49	41	10835	2.132	ug/l #	89
15) Acrylonitrile	5.17	53	38195	11.290	ug/l	96
16) Acetone	3.96	43	30073	10.764	ug/l	96
17) Carbon Disulfide	4.20	76	17448	1.963	ug/l #	94
18) Methyl Acetate	4.49	43	17122	2.236	ug/l	92
19) Methyl tert-butyl Ether	5.23	73	23896	2.166	ug/l	95
20) Methylene Chloride	4.72	84	8487	2.312	ug/l #	81
21) trans-1,2-Dichloroethene	5.22	96	7326	2.160	ug/l #	92
22) Diisopropyl ether	6.13	45	23837	2.025	ug/l	98
23) Vinyl Acetate	6.08	43	105852	9.928	ug/l	99
24) 1,1-Dichloroethane	6.02	63	13391	2.230	ug/l	100
25) 2-Butanone	7.00	43	53813	10.412	ug/l	91
26) 2,2-Dichloropropane	7.00	77	12195	2.250	ug/l	97
27) cis-1,2-Dichloroethene	7.00	96	8661	2.168	ug/l	95
28) Bromochloromethane	7.35	49	5226	2.644	ug/l	95
29) Tetrahydrofuran	7.36	42	37888	10.380	ug/l	97
30) Chloroform	7.52	83	13931	2.235	ug/l	90
31) Cyclohexane	7.79	56	17156	2.829	ug/l #	81
32) 1,1,1-Trichloroethane	7.71	97	12326	2.326	ug/l	99
36) 1,1-Dichloropropene	7.93	75	9372	2.066	ug/l	92
37) Ethyl Acetate	7.10	43	18349	2.238	ug/l	98
38) Carbon Tetrachloride	7.91	117	11429	2.585	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	12598	2.214	ug/l	92
40) Benzene	8.17	78	30759	2.235	ug/l	96
41) Methacrylonitrile	7.35	41	13331m	2.065	ug/l	
42) 1,2-Dichloroethane	8.25	62	11361	2.542	ug/l	97
43) Isopropyl Acetate	8.28	43	23171	2.195	ug/l	97
44) Trichloroethene	8.95	130	9583	2.568	ug/l	95
45) 1,2-Dichloropropane	9.23	63	7808	2.266	ug/l #	85
46) Dibromomethane	9.31	93	5171	2.140	ug/l	90
47) Bromodichloromethane	9.50	83	10610	2.245	ug/l	99
48) Methyl methacrylate	9.30	41	10289	2.160	ug/l	97
49) 1,4-Dioxane	9.30	88	5174	42.308	ug/l #	80
51) 4-Methyl-2-Pentanone	10.08	43	84635	10.670	ug/l	100
52) Toluene	10.25	92	19010	2.154	ug/l	94
53) t-1,3-Dichloropropene	10.47	75	10140	1.891	ug/l	90
54) cis-1,3-Dichloropropene	9.94	75	12766	2.200	ug/l #	91
55) 1,1,2-Trichloroethane	10.65	97	7623	2.191	ug/l	92
56) Ethyl methacrylate	10.52	69	12448	2.032	ug/l	96
57) 1,3-Dichloropropane	10.80	76	13252	2.230	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.79	63	30467	11.157	ug/l	95
59) 2-Hexanone	10.84	43	71185	10.589	ug/l	97
60) Dibromochloromethane	10.99	129	7885	2.143	ug/l	90
61) 1,2-Dibromoethane	11.09	107	8649	2.340	ug/l	92
64) Tetrachloroethene	10.72	164	9315	2.599	ug/l #	89
65) Chlorobenzene	11.52	112	20850	2.294	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.60	131	7139	2.197	ug/l	98
67) Ethyl Benzene	11.60	91	36537	2.249	ug/l	89
68) m/p-Xylenes	11.70	106	27273	4.400	ug/l	98
69) o-Xylene	12.03	106	13719	2.297	ug/l	92
70) Styrene	12.05	104	21139	2.055	ug/l	98
71) Bromoform	12.20	173	6100	2.275	ug/l #	93
73) Isopropylbenzene	12.33	105	35372	2.298	ug/l	100
74) N-amyl acetate	12.14	43	13421	1.831	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	11452	2.180	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	11125m	2.320	ug/l	
77) Bromobenzene	12.61	156	8578	2.377	ug/l	93
78) n-propylbenzene	12.67	91	39541	2.199	ug/l	98
79) 2-Chlorotoluene	12.76	91	23113	2.233	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	29783	2.319	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	4580	1.970	ug/l #	82
82) 4-Chlorotoluene	12.86	91	23508	2.242	ug/l	95
83) tert-Butylbenzene	13.08	119	24787	2.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	28257	2.202	ug/l	95
85) sec-Butylbenzene	13.25	105	35117	2.282	ug/l	96
86) p-Isopropyltoluene	13.38	119	29941	2.213	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	15905	2.431	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	16076	2.359	ug/l	84
89) n-Butylbenzene	13.70	91	25364	1.989	ug/l	97
90) Hexachloroethane	13.96	117	5607	2.191	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	15543	2.348	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.36	75	3614	2.203	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	10750	2.391	ug/l	97
94) Hexachlorobutadiene	15.11	225	4950	2.304	ug/l	96
95) Naphthalene	15.23	128	36796	2.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	10649	2.463	ug/l	97

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

