

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000018.D
 Acq On : 12 Sep 2019 11:09
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00g/5.00ml
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:53:49 PM

Quant Time: Sep 12 15:43:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 15:35:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	152479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	279206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	241631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	104018	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	7779	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	
35) Dibromofluoromethane	7.73	113	7511	4.69	ug/l	0.01
Spiked Amount	50.000		Recovery	=	9.38%	
50) Toluene-d8	10.18	98	31138	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.48	95	11613	4.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	6454	5.740	ug/l	85
3) Chloromethane	2.11	50	15062	8.235	ug/l	99
4) Vinyl Chloride	2.25	62	9456	5.546	ug/l	96
5) Bromomethane	2.63	94	7402	6.830	ug/l #	79
6) Chloroethane	2.78	64	6521	5.745	ug/l	92
7) Trichlorofluoromethane	3.12	101	11911	5.376	ug/l	98
8) Diethyl Ether	3.52	74	4521	4.965	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.90	101	7449	4.941	ug/l	95
10) Methyl Iodide	4.09	142	7598	4.608	ug/l #	94
11) Tert butyl alcohol	4.97	59	6228	29.825	ug/l	99
12) 1,1-Dichloroethene	3.86	96	7347	5.229	ug/l	85
13) Acrolein	3.73	56	4232	27.014	ug/l	87
14) Allyl chloride	4.48	41	10820	4.959	ug/l	92
15) Acrylonitrile	5.17	53	14560	25.203	ug/l	96
16) Acetone	3.95	43	12236	26.868	ug/l	95
17) Carbon Disulfide	4.18	76	18851	6.662	ug/l	98
18) Methyl Acetate	4.48	43	7685	5.997	ug/l	92
19) Methyl tert-butyl Ether	5.23	73	20582	4.836	ug/l	93
20) Methylene Chloride	4.71	84	11662	6.423	ug/l	96
21) trans-1,2-Dichloroethene	5.21	96	8964	5.761	ug/l	90
22) Diisopropyl ether	6.12	45	23935	4.970	ug/l #	88
23) Vinyl Acetate	6.06	43	82219	24.676	ug/l	97
24) 1,1-Dichloroethane	6.02	63	14859	5.206	ug/l #	92
25) 2-Butanone	7.00	43	20431	27.600	ug/l	98
26) 2,2-Dichloropropane	6.98	77	15397	5.807	ug/l	94
27) cis-1,2-Dichloroethene	6.99	96	10539	5.369	ug/l	95
28) Bromochloromethane	7.34	49	6244	4.764	ug/l	94
29) Tetrahydrofuran	7.35	42	11997	27.244	ug/l	97
30) Chloroform	7.51	83	15225	5.173	ug/l	91
31) Cyclohexane	7.78	56	15679	6.591	ug/l #	73
32) 1,1,1-Trichloroethane	7.70	97	12464	5.162	ug/l	98
36) 1,1-Dichloropropene	7.92	75	10201	4.976	ug/l	91
37) Ethyl Acetate	7.08	43	7739	5.598	ug/l	98
38) Carbon Tetrachloride	7.90	117	9245	4.778	ug/l #	88

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

39) Methylcyclohexane	9.18	83	14328	5.657	ug/l	92
40) Benzene	8.16	78	35682	5.346	ug/l #	90
41) Methacrylonitrile	7.31	41	3406	1.897	ug/l #	54
42) 1,2-Dichloroethane	8.24	62	8630	5.060	ug/l	99
43) Isopropyl Acetate	8.28	43	13746	5.131	ug/l	98
44) Trichloroethene	8.93	130	8670	5.203	ug/l	97
45) 1,2-Dichloropropane	9.21	63	9172	5.330	ug/l #	84
46) Dibromomethane	9.31	93	5150	5.392	ug/l	90
47) Bromodichloromethane	9.50	83	11210	4.917	ug/l	100
48) Methyl methacrylate	9.29	41	6552	5.543	ug/l	97
49) 1,4-Dioxane	9.29	88	2414	120.688	ug/l #	85
51) 4-Methyl-2-Pentanone	10.07	43	41700	27.781	ug/l	96
52) Toluene	10.24	92	21660	5.165	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	11845	4.941	ug/l	91
54) cis-1,3-Dichloropropene	9.93	75	14968	5.366	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	8179	5.404	ug/l #	92
56) Ethyl methacrylate	10.51	69	11267	5.304	ug/l	99
57) 1,3-Dichloropropane	10.79	76	12517	5.171	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	29363	25.236	ug/l	96
59) 2-Hexanone	10.83	43	29099	26.902	ug/l	99
60) Dibromochloromethane	10.98	129	8391	5.261	ug/l	100
61) 1,2-Dibromoethane	11.09	107	6668	4.988	ug/l	93
64) Tetrachloroethene	10.71	164	7964	5.375	ug/l	91
65) Chlorobenzene	11.51	112	23135	5.025	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	8073	5.060	ug/l	93
67) Ethyl Benzene	11.59	91	43360	5.184	ug/l	96
68) m/p-Xylenes	11.69	106	32172	10.193	ug/l	99
69) o-Xylene	12.02	106	16906	5.465	ug/l	92
70) Styrene	12.04	104	27343	5.081	ug/l	99
71) Bromoform	12.20	173	4789	4.972	ug/l #	94
73) Isopropylbenzene	12.32	105	40337	5.075	ug/l	96
74) N-amyl acetate	12.14	43	12639	5.387	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	10273	5.406	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	8709m	3.775	ug/l	
77) Bromobenzene	12.60	156	8776	5.220	ug/l	92
78) n-propylbenzene	12.66	91	50441	5.193	ug/l	99
79) 2-Chlorotoluene	12.75	91	30171	5.555	ug/l	94
80) 1,3,5-Trimethylbenzene	12.80	105	34339	5.175	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	4213	5.784	ug/l	97
82) 4-Chlorotoluene	12.85	91	30455	5.343	ug/l	97
83) tert-Butylbenzene	13.07	119	29366	5.150	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	34405	5.248	ug/l	99
85) sec-Butylbenzene	13.24	105	44672	5.309	ug/l	98
86) p-Isopropyltoluene	13.37	119	37313	5.227	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	17869	5.281	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	17869	5.248	ug/l	92
89) n-Butylbenzene	13.69	91	36082	4.988	ug/l	98
90) Hexachloroethane	13.95	117	7066	4.953	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	17064	5.419	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2423	6.558	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.99	180	11196	5.572	ug/l	97
94) Hexachlorobutadiene	15.10	225	4991	5.416	ug/l	95
95) Naphthalene	15.22	128	29526	5.371	ug/l	97
96) 1,2,3-Trichlorobenzene	15.41	180	9365	5.192	ug/l	98

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

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